

# CODA

CODA AUDIO

CATALOG 2007

# European high quality speakers



## About Coda Audio:

Coda Audio  
Boulevard der EU 6  
30539 Hannover, Expo Park  
Germany

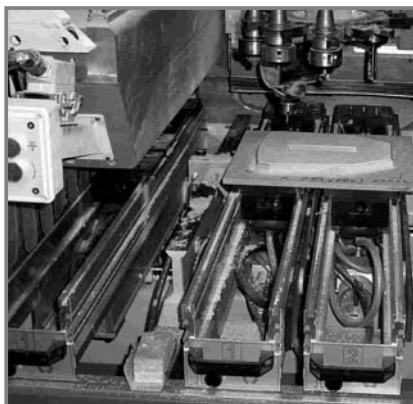
Tel: +49 (0) 511 8793898

fax: +49 (0) 511 8793901

Coda Audio is a leading designer and manufacturer of highest quality pro audio loudspeaker systems. As a part of the European BMS group, Coda Audio is one of the very few companies which design and manufacture its own drivers. We believe that developing a good loudspeaker system starts by designing the right drivers. Due to our unique, patented driver design, Coda Audio loudspeaker systems are extremely transparent and detailed providing outstanding dynamic capabilities. This advanced transducer technology offers significant advantage over conventional drivers in precision and reliability.

Almost all critical parts of the cabinets and the drivers are produced in Europe, in our own factories to ensure extensive control of the results. Voice coil winding, diaphragm forming, CNC machining etc. are all made intern by highly qualified professionals. The wood components for the cabinets are manufactured by dedicated personal using high precision CNC machining centers. Durability and reliability are most important in heavy-use professional applications. Rugged construction, featuring Baltic birch plywood for the cabinets and a very intensive testing ensure reliability and consistency. The fact that our entire manufacturing process takes place in our own factories has produced a substantial reduction in cost and a high degree of flexibility and efficiency. The wide product range is designed to offer excellent quality solutions able to satisfy even the most special and complex professional sound reinforcement requirements. Coda Audio is represented through international distributors worldwide.

We consider that the best way to know us better is by listening to our loudspeakers because: **HEARING IS BELIEVING**



*The Coda Audio Headquarters in Hannover, Germany*



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European expansion - the Coda Audio factory in Sofia.



- Design
- Engineering
- Sound Quality
- Innovation
- Aesthetic
- Flexibility & accessoires

The Coda D-series coaxial loudspeaker systems are engineered without compromise to provide a true one point source radiation. This unique loudspeaker technology aligns the acoustical centres of the transducers providing a coherent wave front without hot spots. Advanced neodymium technology provides lightweight, high output and ultra low distortion.

## D5-Tube/D5-Cube

- Ultra compact 2-way coaxial system
- BMS 5"/1" coaxial loudspeaker
- Attractive solid aluminium design
- Single point source system providing coherent wave front
- Superb quality sound

The Coda D5 is a passive 2-way 5"/1" coaxial loudspeaker system designed without compromise to provide a true one point source in an ultra compact package. The D5-T (Tube) incorporates an attractive cylindrical solid aluminium enclosure fitted with an U-bracket while the D5-C (Cube) utilizes a more classical wood enclosure.

The cabinet contains a high power BMS 5" woofer and a coaxially mounted BMS 4536 neodymium driver with 44,4mm voice coil. The advanced design aligns the acoustical centres of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity of 90° conical ensures uniform coverage with perfect time alignment between the components.

Supported with a full range of mounting and flying accessories the D5 set a state of the art solution for almost any high quality, near field installed sound reinforcement applications.

### Applications:

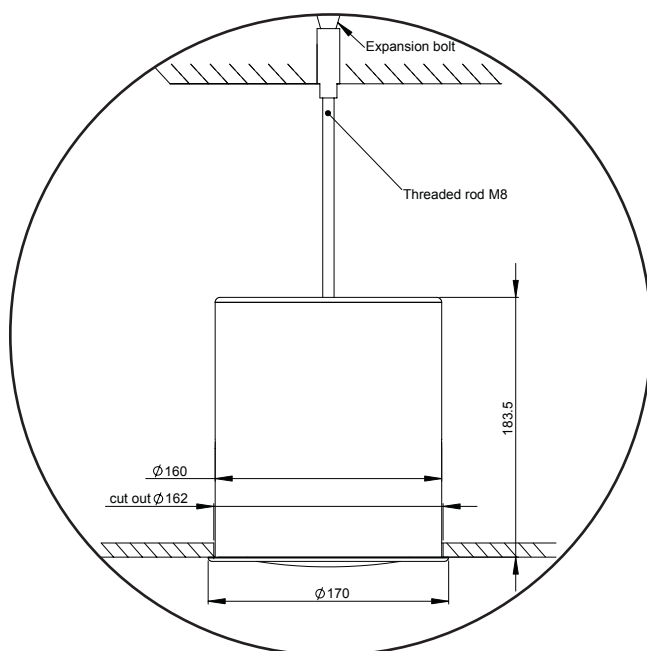
Conference  
Restaurants  
Pubs  
Shopping Centres  
Clubs  
Convention Centres  
Houses of Worship  
Airport  
5.1 Surround

### System components:

AC24UC  
PW112  
PW12A



## D5-Ceiling





### AC24UC

Analog Signal Processor - see page 41 for further information.



#### Accessories D5-tube:



U-bracket

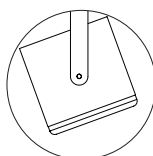


M8-Thread



100 V Trafo, 100 VA

#### Accessories D5-cube:



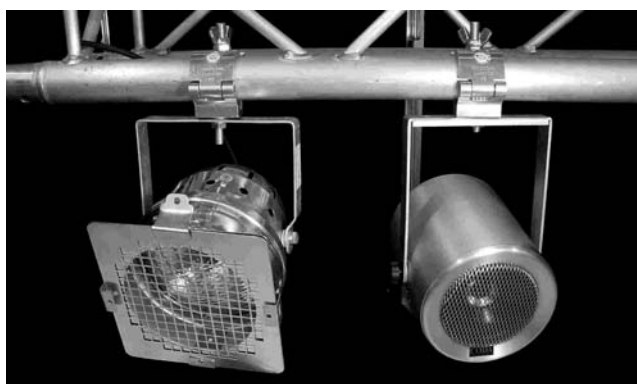
U-bracket



3/8" Thread  
for mic. stand



24185  
Wall mount



#### TECHNICAL SPECIFICATIONS:

|                             |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| Type:                       | 2-way coaxial ultra compact                                                |
| Application:                | Superior quality short throw                                               |
| Frequency response:         | 90 Hz - 30 kHz (- 3 dB)                                                    |
| Power handling AES:         | 125 W                                                                      |
| Program power:              | 250 W                                                                      |
| Peak power:                 | 500 W                                                                      |
| Sensitivity:                | 91 dB                                                                      |
| Max. SPL peak:              | 117 dB                                                                     |
| Dispersion:                 | 90° conical                                                                |
| <b>Components:</b>          |                                                                            |
| Low frequency:              | BMS 5" woofer,<br>1.5" (38 mm) voice coil, 120 W (AES)                     |
| High frequency:             | BMS 1" coaxially mounted driver,<br>1.75" (44.4 mm) voice coil, 80 W (AES) |
| Crossover point:            | 1600 Hz Passive                                                            |
| Nominal impedance:          | 16 Ohm                                                                     |
| 100V version (optional):    | 100 VA                                                                     |
| Input connectors:           | Push buttons                                                               |
| Enclosure material D5-tube: | Solid Aluminium                                                            |
| Enclosure material D5-cube: | 12/15 mm Birch multiplex                                                   |
| Finish D5-tube:             | Metal (all RAL-colours optional available)                                 |
| Finish D5-cube:             | black paint (all RAL-colours optional)                                     |
| Weatherproof version:       | Optional                                                                   |
| Flying Hardware:            | M6 treaded points                                                          |
| Dimensions D5-tube:         | 160 x 160 x 190 mm                                                         |
| Dimensions D5-cube:         | 160 x 160 x 160 mm                                                         |
| Net weight:                 | 4 kg (D5-T), 3.5 kg (D5-C)                                                 |

## D 8

- Ultra compact 2-way coaxial system
- BMS 8" / 1" coaxial neodymium loudspeaker
- Single point source system providing coherent wave front
- Superb quality sound
- M6 flying points
- Improved transient response

The Coda D8 is a 2-way coaxial loudspeaker system designed without compromise to provide a true one point source in an ultra compact package. The cabinet contains a high power BMS 8" woofer and a coaxially mounted BMS neodymium driver with 44,4mm voice coil. The advanced design aligns the acoustical centres of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity of 90° conical ensures uniform coverage with perfect time alignment between the components.

Supported with a full range of mounting and flying accessories the D8 set a state of the art solution for almost any high quality, near field installed sound reinforcement applications.

### Applications:

Conference, Theatres, Clubs, Convention Centres, Airport, 5.1 Surround

### System components:

AC24S  
PW118  
PW18A



100 V Trafo, 150 VA

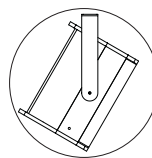


## AC24S

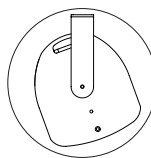
Analog Signal Processor - see page 41 for further information.



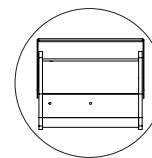
### Accessories:



U-bracket  
vertical



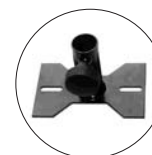
U-bracket  
horizontal



24185  
Wall mount



M6 ring



195/8  
Stand fitting

### TECHNICAL SPECIFICATIONS:

|                          |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| Type:                    | 2-way coaxial ultra compact                                        |
| Application:             | Superior quality short throw                                       |
| Frequency response:      | 70 Hz - 20 kHz (- 3 dB)                                            |
| Power handling AES:      | 250 W                                                              |
| Program power:           | 500 W                                                              |
| Peak power:              | 1000 W                                                             |
| Sensitivity:             | 95 dB                                                              |
| Max. SPL peak:           | 124 dB                                                             |
| Dispersion:              | 90° conical                                                        |
| Components:              |                                                                    |
| Low frequency:           | BMS 8" neodymium woofer,<br>2" (52 mm) voice coil, 250 W (AES)     |
| High frequency:          | BMS 1" neodymium driver,<br>1.75" (44,4 mm) voice coil, 80 W (AES) |
| Crossover point:         | 1500 Hz Passive                                                    |
| Nominal impedance:       | 16 Ohm                                                             |
| 100V version (optional): | 100 VA                                                             |
| Input connectors:        | 2 x Neutrick™ NL4MP                                                |
| Enclosure material:      | 12/15 mm Baltic birch                                              |
| Finish:                  | Textured black paint (all RAL-colours optional)                    |
| Weatherproof version:    | Optional                                                           |
| Flying Hardware:         | M6 threaded points                                                 |
| Dimensions:              | 230 x 348 x 265 mm                                                 |
| Net weight:              | 7 kg                                                               |

## D 12

- Compact 2-way coaxial system
- BMS 12"/1" coaxial neodymium loudspeaker
- Single point source system providing coherent wave front
- Superb quality sound
- M6 flying points
- Improved transient response

The Coda D12 is a 2-way coaxial loudspeaker system designed without compromise to provide a true one point source in a compact package. The cabinet contains a high power BMS 12" woofer and a coaxially mounted BMS neodymium driver loaded by a 80° x 60° elliptical waveguide.

The advanced design aligns the acoustical centres of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity of 80° x 60° ensures uniform coverage with perfect time alignment between the components.

Supported with a full range of mounting and flying accessories the D12 set a state of the art solution for almost any high quality, near-middle field installed sound reinforcement applications.

### Applications:

Convention Centres, Sport Arenas, Theatres, Discos/Clubs

### System components:

AC24M  
PW115  
PW118  
PW18A



100 V Trafo, 250 VA

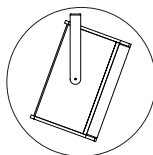


## AC24M

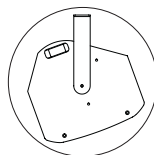
Analog Signal Processor - see page 41 for further information.



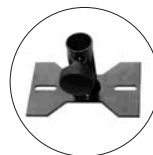
### Accessories:



U-bracket  
vertical



U-bracket  
horizontal



195/8  
Stand fitting



24471  
Wall mount



M6 ring



68620  
Truss clamp

### TECHNICAL SPECIFICATIONS:

|                          |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| Type:                    | 2-way coaxial ultra compact                                        |
| Application:             | Superior quality short throw                                       |
| Frequency response:      | 60 Hz - 20 kHz (- 3 dB)                                            |
| Power handling AES:      | 500 W                                                              |
| Program power:           | 1000 W                                                             |
| Peak power:              | 2000 W                                                             |
| Sensitivity:             | 99 dB                                                              |
| Max. SPL peak:           | 132 dB                                                             |
| Dispersion:              | 80° x 60°                                                          |
| <b>Components:</b>       |                                                                    |
| Low frequency:           | BMS 12" neodymium woofer,<br>3" (77 mm) voice coil, 500 W (AES)    |
| High frequency:          | BMS 1" neodymium driver,<br>1.75" (44,4 mm) voice coil, 80 W (AES) |
| Crossover point:         | 1300 Hz Passive                                                    |
| Nominal impedance:       | 8 Ohm                                                              |
| 100V version (optional): | 300 VA                                                             |
| Input connectors:        | 2 x Neutrick™ NL4MP                                                |
| Enclosure material:      | 15/18 mm Baltic birch                                              |
| Finish:                  | Textured black paint (all RAL-colours optional)                    |
| Weatherproof version:    | Optional                                                           |
| Flying Hardware:         | M6 treaded points                                                  |
| Dimensions:              | 348 x 450 x 325 mm                                                 |
| Net weight:              | 16 kg                                                              |

## AP8

- Compact self-powered, bi-amped Full-range System
- BMS 1" compression driver
- Conical waveguide for better directivity and less distortion
- High SPL, superb quality sound
- Optical limiters for State-of-the-art protection
- Vertical or horizontal use
- M6 suspension points and air cargo flying track

The AP8 is a compact two-way self-powered full range system incorporating two high performance mosfet amplifiers. The integrated control electronic includes optical limiters for each channel, 24 dB phase-aligned asymmetrical crossover, EQ etc and provides a perfect match between amplifiers and loudspeakers for optimum acoustic output and reliability.

The system contains a 8-inch high excursion woofer and a BMS 1" high frequency driver mounted on a 90° conical waveguide. The AP8 has been engineered to produce powerful low frequency response and very clear top end with linear phase and frequency response up to 30kHz.

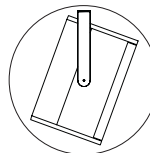
**System components:**  
PW112A/PW112



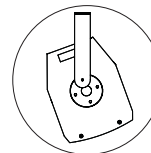
**Applications:**  
Convention Centers  
Theatre  
Corporate Events  
Television  
Nightclub  
Band PA  
Under balcony



### Accessories:



U-bracket  
vertical



U-bracket  
horizontal



5740  
Cargo stud&ring

### TECHNICAL SPECIFICATIONS:

|                     |                                                      |
|---------------------|------------------------------------------------------|
| Type:               | 2-way self-powered full range system                 |
| Application:        | Superior quality short throw                         |
| Frequency response: | 60 Hz - 30 kHz (-3 dB)                               |
| Max. SPL peak:      | 122 dB                                               |
| Dispersion:         | 90° Conical                                          |
| Amplifiers:         | MOSFET                                               |
| low:                | 150 W Continuous, 300 W Burst                        |
| hi:                 | 70 W Continuous, 140 W Burst                         |
| THD, IM, TIM:       | < 0.1 %                                              |
| Components:         |                                                      |
| Low frequency:      | Custom 8" / 2"VC                                     |
| High frequency:     | BMS 4538 , 1" driver on symmetric waveguide          |
| Crossover:          | 1900 Hz / 24 dB                                      |
| Input:              | Balanced                                             |
| connectors:         | 1 x female XLR, 1 x male XLR loop (Pin 2+;3-;1Gnd)   |
| impedance:          | 10 kOhm                                              |
| AC connector:       | 1 x Neutrick™ , PowerCon                             |
| ACpow. req.:        | 450 W peak, 230 W continuous (max)                   |
| LED indicators:     | Power on, Signal, 0-dB, LF Limit, HF Limit, Overload |
| Controls:           | 2 x High Pass Filter (Full-range / Top)              |
| Suspension:         | 1 x Flytrack and 4 x M6 treaded points               |
| Enclosure material: | Birch Plywood                                        |
| Finish:             | Textured Black Paint                                 |
| Dimensions:         | 250 x 480 x 305 mm                                   |
| Net weight:         | 16 kg                                                |

## AP12

- 2-way coaxial self-powered, versatile full range system
- Neodymium 12" coaxial loudspeaker, 80° x 60° waveguide
- 500W RMS class D amplifier for the low and a 100W RMS mosfet amplifier for the high frequency
- Single point source system providing coherent wave front
- Improved transient response
- Very high SPL, superb quality sound
- Smaller size, reduced weight
- M6 suspension points and air cargo flying tracks

The Coda Audio AP12 is a coaxial 2-way self-powered bi-amped full range loudspeaker system designed without compromise to provide a true one point source in a small package.

The cabinet contains a extremely high power BMS 12" neodymium woofer and a coaxially mounted BMS 4546 neodymium driver loaded by a 80° x 60° elliptical waveguide. The advanced design aligns the acoustical centres of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity ensures uniform coverage with perfect time alignment between the components. The use of high efficiency class D amplifier for the low and mosfet amp for the high frequency ensure small size, reduced weight and superb sonic performance. The AP12 incorporates a multidesign enclosure enabling it to be used as a front of house full range unit or as a floor monitor. The addition of an integral top hat and flying hardware as standard allows multipurpose applications.

### System components:

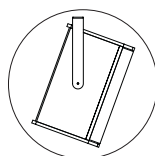
PW115A/PW115  
PW118A/PW118

### Applications:

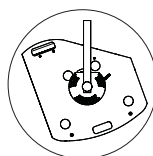
Convention Centers  
Theatre  
Corporate Events  
Nightclub  
Stage monitor  
Band PA



### Accessories:



U-bracket  
vertical



U-bracket  
horizontal



5740  
Cargo stud&ring

### TECHNICAL SPECIFICATIONS:

|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| Type:                     | 2-way coaxial self-powered full range system                         |
| Application:              | High level short to medium throw                                     |
| Frequency response:       | 64 Hz - 20 kHz ( - 3dB )                                             |
| Maximum output long term: | 125 dB                                                               |
| Maximum output peak:      | 131 dB                                                               |
| Dispersion:               | 80° x 60°                                                            |
| Amplifiers low range:     | Class D                                                              |
| Power output (RMS):       | 500 W / 4 Ohm                                                        |
| Peak output current:      | > 45A                                                                |
| THD+N:                    | < 0.02% @500 W, 1 kHz, 4 Ohm                                         |
| Amplifier high range:     | Mosfet 180 W (RMS), 500 W Burst                                      |
| THD+N:                    | < 0.02 %                                                             |
| <b>Components:</b>        |                                                                      |
| Low frequency:            | BMS 12" neodymium woofer<br>3" (77 mm) voice coil, 500 W (AES)       |
| High frequency:           | BMS 4546, neodymium driver<br>1.75" (44.4 mm) voice coil, 80 W (AES) |
| Crossover:                | 1.3 kHz / Active                                                     |
| High pass filter:         | 46 Hz / 18 dB                                                        |
| Input:                    | Balanced                                                             |
| Connectors:               | 1x female XLR/ TRS Jack;<br>1x male XLR loop (Pin2+; 3-; 1 Gnd)      |
| Impedance:                | 10 kOhm                                                              |
| Input sensitivity:        | 0.775 V (RMS)                                                        |
| AC Connector:             | Neutrick™ PowerCon                                                   |
| AC power requirements:    | 1000 W peak, 600 W continuous (max)                                  |
| LED Indicators:           | Power on, Signal, 0-dB, LF limit, HF limit, Overload                 |
| Gain:                     | -9 dB, +3 dB                                                         |
| Controls:                 | Bass EQ +6 dB @ 46 Hz on/off                                         |
| Enclosure shape:          | Multi-design                                                         |
| Suspension:               | 3 x air cargo tracks and 8xM6 treaded points                         |
| Enclosure material:       | 15 mm Baltic birch                                                   |
| Finish:                   | Textured Black paint                                                 |
| Dimensions:               | 348 x 530 x 340 mm                                                   |
| Net weight:               | 23 kg                                                                |

## AP15v<sup>2</sup>

- 2-way coaxial self-powered, versatile full range system
- Neodymium 15" coaxial loudspeaker, 80° x 60° waveguide
- 500 W RMS class D amplifier for the low and a 100 W RMS mosfet amplifier for the high frequency
- Single point source system providing coherent wave front
- Improved transient response
- Very high SPL, superb quality sound
- Smaller size, reduced weight
- M6 suspension points and air cargo flying tracks

The Coda Audio AP15 is a coaxial 2-way self-powered bi-amped full range loudspeaker system designed without compromise to provide a true one point source in a small package. The cabinet contains an extremely high power BMS 15" neodymium woofer and a coaxially mounted BMS 4546 neodymium driver loaded by a 80° x 60° elliptical waveguide.

The advanced design aligns the acoustical centres of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity ensures uniform coverage with perfect time alignment between the components.

The use of high efficiency class D amplifier for the low and mosfet amp for the high frequency ensure small size, reduced weight and superb sonic performance.

The AP15 incorporates a multidesign enclosure enabling it to be used as a front of house full range unit or as a floor monitor. The addition of an integral top hat and flying hardware as standard allows multipurpose applications.

### System components:

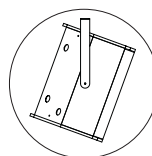
PW115A/PW115  
PW118A/PW118

### Applications:

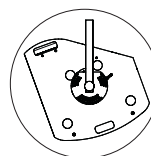
Convention Centers  
Theatre  
Corporate Events  
Nightclub  
Stage monitor  
Band PA



### Accessories:



U-bracket  
vertical



U-bracket  
horizontal



5740  
Cargo stud&ring

### TECHNICAL SPECIFICATIONS:

|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| Type:                     | 2-way coaxial self-powered full range system                         |
| Application:              | High level short to medium throw                                     |
| Frequency response:       | 49 Hz - 20 kHz (-3dB)                                                |
| Maximum output long term: | 125 dB                                                               |
| Maximum output peak:      | 131 dB                                                               |
| Dispersion:               | 80° x 60°                                                            |
| Amplifiers low range:     | Class D                                                              |
| Power output (RMS):       | 500 W / 4 Ohm                                                        |
| Peak output current:      | > 45A                                                                |
| THD+N:                    | < 0.02% @500 W, 1 kHz, 4 Ohm                                         |
| Amplifier high range:     | Mosfet 180 W (RMS), 500 W Burst                                      |
| THD+N:                    | < 0.02 %                                                             |
| Components:               |                                                                      |
| Low frequency:            | BMS 15" neodymium woofer<br>3" (77 mm) voice coil, 500 W (AES)       |
| High frequency:           | BMS 4546, neodymium driver<br>1.75" (44.4 mm) voice coil, 80 W (AES) |
| Crossover:                | 1.3 kHz / Active                                                     |
| High pass filter:         | 36 Hz / 18 dB                                                        |
| Input:                    | Balanced                                                             |
| Connectors:               | 1x female XLR/ TRS Jack;<br>1x male XLR loop (Pin2+; 3-; 1 Gnd)      |
| Impedance:                | 10 kOhm                                                              |
| Input sensitivity:        | 0.775 V (RMS)                                                        |
| AC Connector:             | Neutrick™ PowerCon                                                   |
| AC power requirements:    | 1000 W peak, 600 W continuous (max)                                  |
| LED Indicators:           | Power on, Signal, 0-dB, LF limit, HF limit,<br>Overload              |
| Gain:                     | -9 dB, +3 dB                                                         |
| Controls:                 | Bass EQ +6 dB at 46 Hz on/off                                        |
| Enclosure shape:          | Multi-design                                                         |
| Suspension:               | 3 x air cargo tracks and 8xM6 threaded points                        |
| Enclosure material:       | 15 mm Baltic birch                                                   |
| Finish:                   | Textured Black paint                                                 |
| Dimensions:               | 440 x 580 x 520 mm                                                   |
| Net weight:               | 25 kg                                                                |

## AP20v<sup>2</sup>

- 3-way self-powered, bi-amped versatile full range system
- Unique BMS 4592, 2" coaxial neodymium driver
- BMS neodymium 12" ultra low distortion woofer
- 500W RMS (1100W burst) class D amplifier for the low and a 100W RMS (250W burst) mosfet amplifier for the high frequency
- Very high SPL, superb quality sound
- Smaller size, reduced weight
- M6 suspension points and air cargo flying tracks

The Coda Audio AP20 is a versatile 3-way self-powered bi-amped full range loudspeaker system incorporating a 500W high efficiency class D amplifier for the low and one 100W mosfet amp for the high frequency range.

The system contains a high power 12-inch neodymium woofer and a BMS 4592, 2-inch coaxial neodymium driver couplet to a 90° x 55° waveguide.

The AP20 incorporates a multidesign enclosure enabling it to be used as a front of house full range unit or as a floor monitor. The addition of an integral top hat and flying hardware as standard allows multipurpose applications.

### System components:

PW118A/PW118

PW215A

### Applications:

Convention Centers

Theatre

Corporate Events

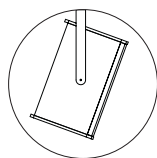
Nightclub

Stage monitor

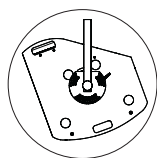
Band PA



### Accessories:



U-bracket  
vertical



U-bracket  
horizontal



5740  
Cargo stud&ring



### TECHNICAL SPECIFICATIONS:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Type:                     | 3-way self-powered full range multi-design system                              |
| Application:              | High level short throw or stage monitor                                        |
| Frequency response:       | 60 Hz - 20 kHz ( - 3dB )                                                       |
| Maximum output long term: | 125 dB                                                                         |
| Maximum output peak:      | 131 dB                                                                         |
| Dispersion:               | 90° x 55°                                                                      |
| Amplifiers low range:     | Class D                                                                        |
| Power output (RMS):       | 500 W / 4 Ohm                                                                  |
| Peak output current:      | > 45A                                                                          |
| THD+N:                    | < 0.02% at 500 W, 1 kHz, 4 Ohm                                                 |
| Amplifier high range:     | Mosfet 100 W (RMS), 250 W Burst                                                |
| THD+N:                    | < 0.02 %                                                                       |
| <b>Components:</b>        |                                                                                |
| Low frequency:            | BMS 12" neodymium woofer<br>3" (77 mm) voice coil, 500 W (AES)                 |
| High frequency:           | BMS 2" Neodymium coaxial driver<br>3.5" (90 mm) +1.75" (44,4 mm) VC, 150+ 80 W |
| Crossover:                | 700 Hz /24 dB Active, 6.3 kHz 18 db Passive                                    |
| High pass filter:         | 44 Hz / 18 dB                                                                  |
| Input:                    | Balanced                                                                       |
| Connectors:               | 1x female XLR/ TRS Jack;<br>1x male XLR loop (Pin2+; 3-; 1 Gnd)                |
| Impedance:                | 10 kOhm                                                                        |
| Input sensitivity:        | 0.775 V (RMS)                                                                  |
| AC Connector:             | Neutrick™ PowerCon                                                             |
| AC power requirements:    | 1000 W peak, 600 W continuous (max)                                            |
| LED Indicators:           | Power on, Signal, 0-dB, LF limit, HF limit, Overload                           |
| Gain:                     | -9 dB, +3 dB                                                                   |
| Controls:                 | Full range / Top                                                               |
| Enclosure shape:          | Multi-design                                                                   |
| Suspension:               | 4 x air cargo tracks and 8xM6 treaded points                                   |
| Enclosure material:       | 15 mm Baltic birch                                                             |
| Finish:                   | Textured Black paint                                                           |
| Dimensions:               | 340 x 590 x 380 mm                                                             |
| Net weight:               | 25 kg                                                                          |

## AP24v<sup>2</sup>/AP24-6

- 3-way self-powered, bi-amped versatile full range system
- Unique BMS 4592, 2" coaxial neodymium driver
- BMS neodymium 15" ultra low distortion woofer
- Rotatable waveguide for vertical or horizontal use
- 500 W RMS class D amplifier for the low and a 100 W RMS mosfet amplifier for the high frequency
- Very high SPL, superb quality sound
- Smaller size, reduced weight
- M6 suspension points and air cargo flying tracks

The Coda Audio AP24 is a versatile 3-way self-powered bi-amped full range loudspeaker system incorporating a 500W high efficiency class D amplifier for the low and one 100W mosfet amp for the high frequency range.

The system contains a extremely high power 15-inch neodymium woofer and a BMS 4592, 2-inch coaxial neodymium driver couplet to a routable waveguide.

The AP24 incorporates a multidesign enclosure enabling it to be used as a front of house full range unit or as a floor monitor. The addition of an integral top hat and flying hardware as standard together with the ability to rotate the elliptical waveguide allows multipurpose applications.

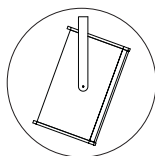
### System components:

PW118A/PW118  
PW215A

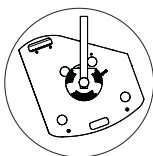
### Applications:

Convention Centers  
Theatre  
Corporate Events  
Nightclub  
Stage monitor  
Band PA

### Accessories:



**CU24**  
U-bracket  
vertical



**CU241H**  
U-bracket  
horizontal



**5740**  
Cargo stud&ring



AP24-6, 60° x 40° dispersion



### TECHNICAL SPECIFICATIONS:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Type:                     | 3-way self-powered full range multi design system                           |
| Application:              | High level short to medium throw                                            |
| Frequency response:       | 49 Hz - 21 kHz ( - 3dB )                                                    |
| Maximum output long term: | 125 dB                                                                      |
| Maximum output peak:      | 131 dB                                                                      |
| Dispersion:               | 70° x 50° (AP24-6 60° x 40°)                                                |
| Amplifiers low range:     | Class D                                                                     |
| Power output (RMS):       | 500 W / 4 Ohm                                                               |
| Peak output current:      | > 45A                                                                       |
| THD+N:                    | < 0.02% at 500 W, 1 kHz, 4 Ohm                                              |
| Amplifier high range:     | Mosfet 180 W (RMS), 500 W Burst                                             |
| THD+N:                    | < 0.02 %                                                                    |
| <b>Components:</b>        |                                                                             |
| Low frequency:            | BMS 15" neodymium woofer<br>3" (77 mm) voice coil, 500 W (AES)              |
| High frequency:           | BMS 4592 , 2" Neodymium coaxial driver<br>3.5" (90 mm) +1.75", 150 W + 80 W |
| Crossover:                | 500 Hz /24 dB Active, 6.3 kHz 18 db Passive                                 |
| High pass filter:         | 36 Hz / 18 dB                                                               |
| Input:                    | Balanced                                                                    |
| Connectors:               | 1x female XLR/ TRS Jack;<br>1x male XLR loop (Pin2+; 3-; 1 Gnd)             |
| Impedance:                | 10 kOhm                                                                     |
| Input sensitivity:        | 0.775 V (RMS)                                                               |
| AC Connector:             | Neutrick™ PowerCon                                                          |
| AC power requirements:    | 1000 W peak, 600 W continuous (max)                                         |
| LED Indicators:           | Power on, Signal, 0-dB, LF limit, HF limit, Overload                        |
| Gain:                     | -9 dB, +3 dB                                                                |
| Controls:                 | Bass EQ +6 dB at 46 Hz on/off                                               |
| Enclosure shape:          | Multi-design                                                                |
| Suspension:               | 3 x air cargo tracks and 8xM6 treaded points                                |
| Enclosure material:       | 15 mm Baltic birch                                                          |
| Finish:                   | Textured Black paint                                                        |
| Dimensions:               | 440 x 740 x 520 mm                                                          |
| Net weight:               | 32 kg                                                                       |

### AP25

- 3-way self-powered, bi-amped full range system
- Unique BMS 4592, 2" coaxial neodymium driver
- BMS neodymium 15" ultra low distortion woofer
- Elliptical waveguide
- 500 W RMS class D amplifier for the low and a 100 W RMS mosfet amplifier for the high frequency
- Very high SPL with extended low frequency response
- Air cargo flying tracks

The AP25 is a extremely high output, 3-way self-powered bi-amped full range system, engineered to deliver high fidelity sound in medium to long throw applications. The unique BMS 4592, 2" neodymium coaxial driver mounted on a 60° x 40° elliptical waveguide produces an unparalleled clean mid/high range from 400Hz.

The high power, high excursion 15" neodymium woofer provides powerful and extended low frequency response with immense headroom.

The use of high efficiency class D amplifier for the low and mosfet amp for the high frequency ensure small size, reduced weight and superb sonic performance. The extremely high output and precise directivity of the AP25 are ideal for medium, long throw and outdoor applications.

In a large array the AP25 will provide a coherent wave front and increased low frequency response. The system is very well suited for concert sound, theatres or clubs.

#### System components:

PW118A  
PW118  
PW215A

#### Applications:

Convention Centers  
Theatre  
Corporate Events  
Television  
Nightclub  
Band PA

#### Accessories:



#### TECHNICAL SPECIFICATIONS:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Type:                     | 3-way self-powered full range multi design system                           |
| Application:              | High level medium to long throw                                             |
| Frequency response:       | 46 Hz - 21 kHz (-3dB)                                                       |
| Maximum output long term: | 125 dB                                                                      |
| Maximum output peak:      | 131 dB                                                                      |
| Dispersion:               | 60° x 40°                                                                   |
| Amplifiers low range:     | Class D                                                                     |
| Power output (RMS):       | 500 W / 4 Ohm                                                               |
| Peak output current:      | > 45A                                                                       |
| THD+N:                    | < 0.02% at 500 W, 1 kHz, 4 Ohm                                              |
| Amplifier high range:     | Mosfet 180 W (RMS), 500 W Burst                                             |
| THD+N:                    | < 0.02 %                                                                    |
| Components:               |                                                                             |
| Low frequency:            | BMS 15" neodymium woofer<br>3" (77 mm) voice coil, 500 W (AES)              |
| High frequency:           | BMS 4592, 2" Neodymium coaxial driver<br>3.5" (90 mm) + 1.75", 150 W + 80 W |
| Crossover:                | 500 Hz / 24 dB Active, 6.3 kHz 18 dB Passive                                |
| High pass filter:         | 36 Hz / 18 dB                                                               |
| Input:                    | Balanced                                                                    |
| Connectors:               | 1x female XLR/ TRS Jack;<br>1x male XLR loop (Pin2+; 3-; 1 Gnd)             |
| Impedance:                | 10 kOhm                                                                     |
| Input sensitivity:        | 0.775 V (RMS)                                                               |
| AC Connector:             | Neutrick™ PowerCon                                                          |
| AC power requirements:    | 1000 W peak, 600 W continuous (max)                                         |
| LED Indicators:           | Power on, Signal, 0-dB, LF limit, HF limit, Overload                        |
| Gain:                     | -9 dB, +3 dB                                                                |
| Controls:                 | Bass EQ +6 dB at 46 Hz on/off                                               |
| Enclosure shape:          | Multi-design                                                                |
| Suspension:               | 3 x air cargo tracks and 8xM6 threaded points                               |
| Enclosure material:       | 15 mm Baltic birch                                                          |
| Finish:                   | Textured Black paint                                                        |
| Dimensions:               | 450 x 810 x 560 mm                                                          |
| Net weight:               | 40 kg                                                                       |

## PW112A/PW112

- Self-powered high output subwoofer
- BMS 12" neodymium ultra low distortion woofer
- 1000W RMS (2000W burst) at 4 ohm Class D amplifier
- Capable to drive an additional passive woofer PW112
- Low power compression, superb quality sound
- Optical Limiter for State-of-the-art protection
- Integrated 24dB high pass crossover output for the mid/high way

The PW112A is a compact self-powered high output subwoofer incorporating a 1000W high efficiency class D amplifier. The integrated control electronic includes optical limiter, 24 dB phase-aligned crossovers, EQ etc to provide a perfect match between amplifier and loudspeaker for optimum acoustic output and reliability. The incorporated high pass crossover output (80Hz or 125Hz) enables an easy integration of top cabinets without external processing gear such as crossover.

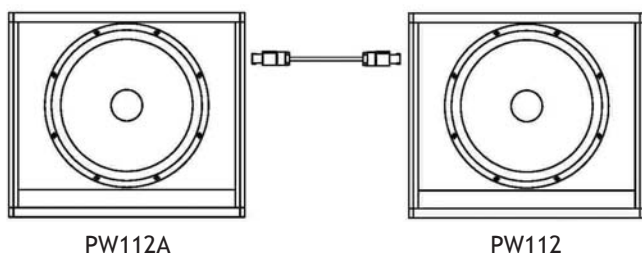
The high power BMS 12" neodymium woofer provides powerful and extended low frequency response with immense head-room. An integrated speaker output enables the use of an additional passive subwoofer (PW112) providing an economical solution to increase the system maximal level to 135dB/peak. The use of high efficiency class D amplifier together with the new developed neodymium ultra low distortion woofer ensure small size, reduced weight and superb sonic performance.



Amp - PW112A

Applications included small touring PA-systems or permanent installations.

Sub+Sub System



| TECHNICAL SPECIFICATIONS PW 112: |                    |
|----------------------------------|--------------------|
| Power handling RMS:              | 600 W              |
| Program power:                   | 1200 W             |
| Peak power:                      | 2400 W             |
| Sensitivity:                     | 96 dB, 1 W / 1 m   |
| Nominal impedance:               | 8 Ohm              |
| Input connectors:                | 2x Neutrick™ NL4MP |
| Dimensions:                      | 450 x 390 x 530 mm |
| Net weight:                      | 19 kg              |

Same as the PW112A without the amplifier.

| TECHNICAL SPECIFICATIONS PW 112A: |                                                                                                                             |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Type:                             | Self-powered subwoofer                                                                                                      |
| Application:                      | Small/Medium venues subwoofer                                                                                               |
| Frequency response:               | 35 Hz to 80 Hz or 125 Hz (switchable)                                                                                       |
| Maximum SPL peak:                 | 129 dB single cabinet,<br>135 dB (PW112A + PW112 as a slave)                                                                |
| Amplifier:                        | Class D                                                                                                                     |
| Max. power output (RMS):          | 1000 W / 4 Ohm                                                                                                              |
| Peak output current:              | 50 A                                                                                                                        |
| THD+N:                            | 0.04 % at 1000 W, 100 Hz, 4 Ohm                                                                                             |
| Components:                       | BMS 12" neodymium ultra low 8 Ohm,<br>3" (77 mm) voice coil, 600 W (AES)                                                    |
| Crossover:                        | 30 Hz high pass 18 dB, 80 Hz or<br>150 Hz low-pass 24 dB, EQ                                                                |
| Input:                            | Balanced                                                                                                                    |
| Connectors:                       | 1x female XLR/ TRS Jack; 1x male XLR loop;<br>1x male XLR top-24dB high pass output at 80Hz<br>or 125 Hz (Pin2+; 3-; 1 Gnd) |
| Impedance:                        | 10 kOhm                                                                                                                     |
| Input sensitivity:                | 0.775 V (RMS)                                                                                                               |
| External speaker output:          | Neutrick™ NL4MP (8 Ohm only)                                                                                                |
| AC Connector:                     | Neutrick™ PowerCon                                                                                                          |
| AC power requirements:            | 2000 W peak, 1000 W continuous (max)                                                                                        |
| LED Indicators:                   | Power on, Signal, 0- dB, LF Limit, Overload                                                                                 |
| Gain:                             | -9 dB, +3 dB                                                                                                                |
| Controls:                         | 2x High/Low Pass Filters                                                                                                    |
| Suspension:                       | Optional                                                                                                                    |
| Enclosure material:               | 18 mm Baltic birch                                                                                                          |
| Finish:                           | Textured Black paint                                                                                                        |
| Dimensions:                       | 450 x 390 x 530 mm                                                                                                          |
| Net weight:                       | 25 kg                                                                                                                       |

### PW115A/PW115

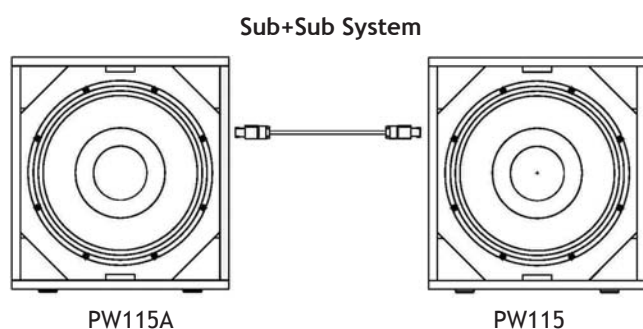
- Self-powered high output subwoofer
- BMS 15" neodymium ultra low distortion woofer
- 1000W RMS (2000W burst) at 4 ohm Class D amplifier
- Capable to drive an additional passive woofer PW115
- Low power compression, superb quality sound
- Optical Limiter for State-of -the-art protection
- Improved transient response
- Integrated 24dB high pass crossover output for the mid/high way

The PW115A is a compact self-powered high output subwoofer incorporating a 1000W high efficiency class D amplifier. The integrated control electronic includes optical limiter, 24 dB phase-aligned crossovers, EQ etc to provide a perfect match between amplifier and loudspeaker for optimum acoustic output and reliability. The incorporated high pass crossover output (80Hz or 125Hz) enables an easy integration of top cabinets without external processing gear such as crossover.

The high power BMS 15" neodymium woofer provides powerful and extended low frequency response with immense headroom. An integrated speaker output enables the use of an additional passive subwoofer (PW118) providing an economical solution to increase the system maximal level to 137dB/peak.

The use of high efficiency class D amplifier together with the new developed neodymium ultra low distortion woofer ensure small size, reduced weight and superb sonic performance.

Applications included small touring PA-systems or permanent installations.



| TECHNICAL SPECIFICATIONS PW 115: |                    |
|----------------------------------|--------------------|
| Power handling RMS:              | 600 W              |
| Program power:                   | 1200 W             |
| Peak power:                      | 2400 W             |
| Sensitivity:                     | 98 dB, 1 W / 1 m   |
| Nominal impedance:               | 8 Ohm              |
| Input connectors:                | 2x Neutrick™ NL4MP |
| Dimensions:                      | 450 x 480 x 600 mm |
| Net weight:                      | 24 kg              |

Same as the PW115A without the amplifier.



| TECHNICAL SPECIFICATIONS PW 115A: |                                                                                                                              |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Type:                             | Self-powered subwoofer                                                                                                       |
| Application:                      | Small/Medium venues subwoofer                                                                                                |
| Frequency response:               | 38 Hz to 80 Hz or 125 Hz (switch able)                                                                                       |
| Maximum SPL peak:                 | 131 dB single cabinet 137 dB (PW115A + PW115 as a slave)                                                                     |
| Amplifier:                        | Class D                                                                                                                      |
| Max. power output (RMS):          | 1000 W / 4 Ohm                                                                                                               |
| Peak output current:              | 50 A                                                                                                                         |
| THD+N                             | 0.04 % at 1000 W, 100 Hz, 4 Ohm                                                                                              |
| Components:                       | BMS 15" neodymium ultra low distortion woofer<br>8 Ohm, 3" (77 mm) voice coil, 600 W (AES)                                   |
| Crossover:                        | 30 Hz high pass 18 dB,<br>80 Hz or 150 Hz low-pass 24 dB, EQ                                                                 |
| Input:                            | Balanced                                                                                                                     |
| Connectors:                       | 1x female XLR/ TRS Jack; 1x male XLR loop;<br>1x male XLR top-24 dB high pass output at 80Hz<br>or 125 Hz (Pin2+; 3-; 1 Gnd) |
| Impedance:                        | 10 kOhm                                                                                                                      |
| Input sensitivity:                | 0.775 V (RMS)                                                                                                                |
| External speaker output:          | Neutrick™ NL4MP (8 Ohm only)                                                                                                 |
| AC Connector:                     | Neutrick™ PowerCon                                                                                                           |
| AC power requirements:            | 2000 W peak, 1000 W continuous (max)                                                                                         |
| LED Indicators:                   | Power on, Signal, 0- dB, LF Limit, Overload                                                                                  |
| Gain:                             | -9 dB, +3 dB                                                                                                                 |
| Controls:                         | 2x High/Low Pass Filters                                                                                                     |
| Suspension:                       | Optional                                                                                                                     |
| Enclosure material:               | 18 mm Baltic birch                                                                                                           |
| Finish:                           | Textured Black paint                                                                                                         |
| Dimensions:                       | 450 x 480 x 600 mm                                                                                                           |
| Net weight:                       | 34 kg                                                                                                                        |

## PW118A/PW118

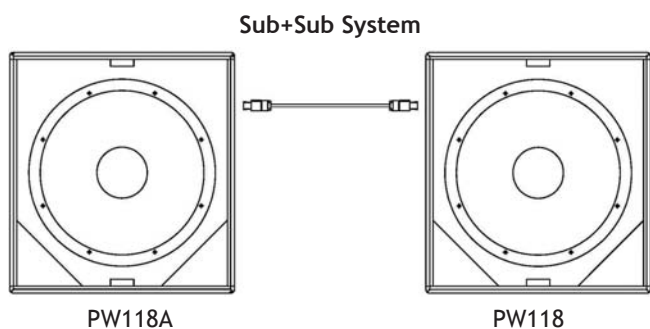
- Self-powered high output subwoofer
- 18" high excursion woofer
- 1000W RMS (2000W burst) at 4 ohm Class D amplifier
- Capable to drive an additional passive woofer PW118
- Low power compression, superb quality sound
- Optical Limiter for State-of -the-art protection
- Integrated 24dB high pass crossover output for the mid/high way

The PW118A is a compact self-powered high output subwoofer incorporating a 1000W high efficiency class D amplifier. The integrated control electronic includes optical limiter, 24 dB phase-aligned crossovers, EQ etc to provide a perfect match between amplifier and loudspeaker for optimum acoustic output and reliability. The incorporated high pass crossover output (80Hz or 125Hz) enables an easy integration of top cabinets without external processing gear such as crossover.

The high power high excursion 18" woofer provides powerful and extended low frequency response with immense headroom. An integrated speaker output enables the use of an additional passive subwoofer providing an economical solution to increase the system maximal level to 137dB/peak. The use of high efficiency class D amplifier ensure small size, reduced weight and superb sonic performance. Applications included small touring PA-systems or permanent installations.

### Applications:

- bands
- small touring PA-systems
- permanent installations



| TECHNICAL SPECIFICATIONS PW 118: |                    |
|----------------------------------|--------------------|
| Power handling RMS:              | 1000 W             |
| Program power:                   | 2000 W             |
| Peak power:                      | 4000 W             |
| Sensitivity:                     | 98 dB, 1 W / 1 m   |
| Nominal impedance:               | 8 Ohm              |
| Input connectors:                | 2x Neutrick™ NL4MP |
| Dimensions:                      | 580 x 620 x 690 mm |
| Net weight:                      | 31 kg              |

Same as the PW118A without the amplifier.



Amp - PW118A

| TECHNICAL SPECIFICATIONS PW 118A: |                                                                                                                             |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Type:                             | Self-powered subwoofer                                                                                                      |
| Application:                      | Medium/large venues subwoofer                                                                                               |
| Frequency response:               | 38 Hz to 80 Hz or 125 Hz (switchable)                                                                                       |
| Maximum SPL peak:                 | 131 dB single cabinet,<br>137 dB (PW118A + PW118 as a slave)                                                                |
| Amplifier:                        | Class D                                                                                                                     |
| Max. power output (RMS):          | 1000 W / 4 Ohm                                                                                                              |
| Peak output current:              | 50 A                                                                                                                        |
| THD+N:                            | 0.04 % at 1000 W, 100 Hz, 4 Ohm                                                                                             |
| Components:                       | 18" high excursion woofer 8 Ohm,<br>4" (101.6 mm) voice coil, 700 W (AES)                                                   |
| Crossover:                        | 30 Hz high pass 18 dB, 80 Hz or<br>125 Hz low-pass 24 dB, EQ                                                                |
| Input:                            | Balanced                                                                                                                    |
| Connectors:                       | 1x female XLR/ TRS Jack; 1x male XLR loop;<br>1x male XLR top-24dB high pass output at 80Hz<br>or 125 Hz (Pin2+; 3-; 1 Gnd) |
| Impedance:                        | 10 kOhm                                                                                                                     |
| Input sensitivity:                | 0.775 V (RMS)                                                                                                               |
| External speaker output:          | Neutrick™ NL4MP (8 Ohm only)                                                                                                |
| AC Connector:                     | Neutrick™ PowerCon                                                                                                          |
| AC power requirements:            | 2000 W peak, 1000 W continuous (max)                                                                                        |
| LED Indicators:                   | Power on, Signal, 0- dB, LF Limit, Overload                                                                                 |
| Gain:                             | -9 dB, +3 dB                                                                                                                |
| Controls:                         | 2x High/Low Pass Filters                                                                                                    |
| Suspension:                       | Optional                                                                                                                    |
| Enclosure material:               | 18 mm Baltic birch                                                                                                          |
| Finish:                           | Textured Black paint                                                                                                        |
| Dimensions:                       | 580 x 620 x 690 mm                                                                                                          |
| Net weight:                       | 39 kg                                                                                                                       |

### PW215A/PW215

- Self-powered high output subwoofer
- Double 15" ultra low distortion woofer
- 1000W RMS (2000W burst) Class D amplifier
- Low power compression, superb quality sound
- Optical Limiter for State-of-the-art protection
- Improved transient response
- Integrated 24dB high pass crossover output for the mid/high way

The PW215A is a compact self-powered high output subwoofer incorporating a 1000W high efficiency class D amplifier. The integrated control electronic includes optical limiter, 24 dB phase-aligned crossovers, EQ etc to provide a perfect match between amplifier and loudspeakers for optimum acoustic output and reliability.

The incorporated high pass crossover output (80Hz or 125Hz) enables an easy integration of the top cabinets without external processing gear such as crossover.

The high power high excursion dual 15" woofers provide powerful and extended low frequency response with immense headroom.

The use of high efficiency class D amplifier ensure small size, reduced weight and superb sonic performance. Low port compression and optimised enclosure design give a tight, accurate bass response that is ideally suited to supplementing all Coda Audio full range enclosures.



Amp - PW215A only

| TECHNICAL SPECIFICATIONS PW 215: |                    |
|----------------------------------|--------------------|
| Power handling RMS:              | 1200 W             |
| Program power:                   | 2400 W             |
| Peak power:                      | 4800 W             |
| Sensitivity:                     | 101 dB, 1 W / 1 m  |
| Nominal impedance:               | 4 Ohm              |
| Input connectors:                | 2x Neutrick™ NL4MP |
| Dimensions:                      | 450 x 950 x 690 mm |
| Net weight:                      | 34 kg              |

Same as the PW215A without the amplifier.



Applications included bands, touring PA-systems or permanent installations.

| TECHNICAL SPECIFICATIONS PW 215A: |                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Type:                             | Self-powered subwoofer                                                                                               |
| Application:                      | Medium/Large venues subwoofer                                                                                        |
| Frequency response:               | 40 Hz to 80 Hz or 125 Hz (switchable)                                                                                |
| Maximum SPL peak:                 | 137 dB                                                                                                               |
| Amplifier:                        | Class D                                                                                                              |
| Max. power output (RMS):          | 1000 W / 4 Ohm                                                                                                       |
| Peak output current:              | 50 A                                                                                                                 |
| THD+N:                            | 0.04 % at 1000 W, 100 Hz, 4 Ohm                                                                                      |
| Components:                       | 2x BMS 15" ultra low distortion woofers 8 Ohm, 3" (77 mm) voice coil, 600 W (AES) each                               |
| Crossover:                        | 30 Hz high pass 18 dB, 80 Hz or 150 Hz low-pass 24 dB, EQ                                                            |
| Input:                            | Balanced                                                                                                             |
| Connectors:                       | 1x female XLR/ TRS Jack; 1x male XLR loop; 1x male XLR top-24dB high pass output at 80Hz or 125Hz (Pin2+; 3-; 1 Gnd) |
| Impedance:                        | 10 kOhm                                                                                                              |
| Input sensitivity:                | 0.775 V (RMS)                                                                                                        |
| External speaker output:          | Neutrick™ NL4MP (8 Ohm only)                                                                                         |
| AC Connector:                     | Neutrick™ PowerCon                                                                                                   |
| AC power requirements:            | 2000 W peak, 1000 W continuous (max)                                                                                 |
| LED Indicators:                   | Power on, Signal, 0- dB, LF Limit, Overload                                                                          |
| Gain:                             | -9 dB, +3 dB                                                                                                         |
| Controls:                         | 2x High/Low Pass Filters                                                                                             |
| Suspension:                       | Optional                                                                                                             |
| Enclosure material:               | 18 mm Baltic birch                                                                                                   |
| Finish:                           | Textured Black paint                                                                                                 |
| Dimensions:                       | 450 x 940 x 690 mm                                                                                                   |
| Net weight:                       | 49 kg                                                                                                                |

installation + portable

passive

self-powered

## PW418A

- Self-powered high output subwoofer
- Double 18" ultra low distortion neodymium woofers
- 2x1000W RMS (2000W burst) Class D amplifier
- Low power compression, superb quality sound
- Optical Limiter for State-of -the-art protection
- Improved transient response
- Integrated 24dB high pass crossover output for the mid/high way

The PW418A is a self-powered high output subwoofer incorporating 2x1000W high efficiency class D amplifiers. The integrated control electronic includes optical limiter, 24 dB phase-aligned crossovers, EQ etc to provide a perfect match between amplifier and loudspeakers for optimum acoustic output and reliability. The incorporated high pass crossover output (80Hz or 125Hz) enables an easy integration of the top cabinets without external processing gear such as crossover. The high power high excursion dual 18" neodymium woofers provide powerful and extended low frequency response with immense head-room. The use of high efficiency class D amplifiers ensure small size, reduced weight and superb sonic performance. Low port compression and optimised enclosure design give a tight, accurate bass response that is ideally suited to supplementing all Coda Audio full range enclosures.



Amp - PW418A only

| TECHNICAL SPECIFICATIONS PW 418: |                     |
|----------------------------------|---------------------|
| Power handling RMS:              | 2400 W              |
| Program power:                   | 4800 W              |
| Peak power:                      | 9600 W              |
| Sensitivity:                     | 101 dB, 1 W / 1 m   |
| Nominal impedance:               | 4 Ohm               |
| Input connectors:                | 2x Neutrick™ NL4MP  |
| Dimensions:                      | 580 x 1160 x 780 mm |
| Net weight:                      | 70 kg               |

Same as the PW418A without the amplifier.



Optimal as infra-subwoofer for the LA-series Line arrays, the PW418A/PW418 are also suited to general use subwoofers where extremely deep bass is required.

| TECHNICAL SPECIFICATIONS PW 418A: |                                                                                                                       |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Type:                             | Self-powered subwoofer                                                                                                |
| Application:                      | Medium/large venues subwoofer                                                                                         |
| Frequency response:               | 30 Hz to 80 Hz or 125 Hz (switchable)                                                                                 |
| Maximum SPL peak:                 | 140 dB                                                                                                                |
| Amplifier:                        | Class D                                                                                                               |
| Max. power output (RMS):          | 2x1000 W / 4 Ohm                                                                                                      |
| Peak output current:              | 50 A                                                                                                                  |
| THD+N:                            | 0.04 % at 1000 W, 100 Hz, 4 Ohm                                                                                       |
| Components:                       | 2x BMS 18" ultra low distortion neodymium woofer 4 Ohm, 4" (101.6 mm) voice coil, 1200 W (AES) each                   |
| Crossover:                        | 20 Hz high pass 18 dB, 80 Hz or 150 Hz low-pass 24 dB, EQ                                                             |
| Input:                            | Balanced                                                                                                              |
| Connectors:                       | 1x female XLR/ TRS Jack; 1x male XLR loop; 1x male XLR top-24dB high pass output at 80Hz or 125 Hz (Pin2+; 3-; 1 Gnd) |
| Impedance:                        | 10 kOhm                                                                                                               |
| Input sensitivity:                | 0.775 V (RMS)                                                                                                         |
| External speaker output:          | Neutrick™ NL4MP (8 Ohm only)                                                                                          |
| AC Connector:                     | Neutrick™ PowerCon                                                                                                    |
| AC power requirements:            | 4000 W peak, 2000 W continuous (max)                                                                                  |
| LED Indicators:                   | Power on, Signal, 0- dB, LF Limit, Overload                                                                           |
| Gain:                             | -9 dB, +3 dB                                                                                                          |
| Controls:                         | 2x High/Low Pass Filters                                                                                              |
| Suspension:                       | Optional                                                                                                              |
| Enclosure material:               | 18 mm Baltic birch                                                                                                    |
| Finish:                           | Textured Black paint                                                                                                  |
| Dimensions:                       | 580 x 1160 x 780 mm                                                                                                   |
| Net weight:                       | 80 kg                                                                                                                 |

## K4

- Ultra compact 2-way versatile full range system
- BMS 5" ultra low distortion woofer
- Elliptical waveguide for precise directivity and less distortion
- Superb quality sound
- M6 Flying points
- Improved transient response

### Applications:

Conferences  
Corporate Events  
Band PA  
Church

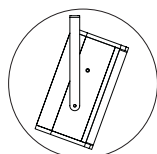


The Coda Audio K4 is an ultra compact versatile, full range, 2-way loudspeaker system that features a BMS 5-inch ultra low distortion low frequency driver and the BMS 4538, 1" compression driver coupled to a rotatable 90° x 60° elliptical waveguide. The K4 incorporates a multidesign enclosure enabling it to be used horizontal, vertical or as a floor monitor. The addition of flying hardware as standard together with the ability to rotate the elliptical wave-guide allows multipurpose applications.

### System components:

AC24UC  
PW12  
PW12A

### Accessories:



U-bracket  
vertical



68620  
Truss clamp



195/8  
Stand fitting

| TECHNICAL SPECIFICATIONS: |                                                 |
|---------------------------|-------------------------------------------------|
| Type:                     | 2-way full range<br>multi design                |
| Application:              | Superior quality short throw                    |
| Frequency response:       | 80 Hz - 30 kHz ( - 3 dB )                       |
| Power handling AES:       | 125 W                                           |
| Program power:            | 250 W                                           |
| Peak power:               | 500 W                                           |
| Sensitivity:              | 92 dB                                           |
| Max. SPL peak:            | 118 dB                                          |
| Dispersion:               | 90° x 60°                                       |
| Components:               |                                                 |
| Low frequency:            | BMS 5"/ 1.5" voice coil<br>ultra low distortion |
| High frequency:           | BMS 4538 , 1"/1.5"<br>voice coil driver         |
| Crossover point:          | 1600 Hz Passive                                 |
| Nominal impedance:        | 16 Ohm                                          |
| Input connectors:         | 2 x Neutrick™ NL4MP                             |
| Enclosure material:       | 12 mm Baltic birch                              |
| Finish:                   | Textured Black paint                            |
| Flying Hardware:          | 8x M6 treaded points                            |
| Dimensions:               | 160 x 330 x 180 mm                              |
| Net weight:               | 6 kg                                            |

## K5

- Ultra compact 2-way full range system
- Double BMS 5" ultra low distortion woofer
- Elliptical waveguide for precise directivity and less distortion
- Superb quality sound
- M6 flying points
- Improved transient response

### Applications:

Conferences  
Corporate Events  
Band PA  
Church

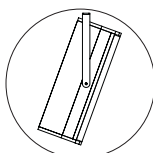


The Coda Audio K5 is an ultra compact full range 2-way loudspeaker system that features double BMS 5,5-inch ultra low distortion cone drivers and a BMS 1" compression driver coupled to a rotatable 90° x 60° elliptical waveguide. The addition of M6 flying points as a standard together with the ability to rotate the elliptical waveguide allows multipurpose applications.

### System components:

AC24UC  
PW12  
PW12A

### Accessories:



U-bracket  
vertical



68620  
Truss clamp



195/8  
Stand fitting

| TECHNICAL SPECIFICATIONS: |                                                  |
|---------------------------|--------------------------------------------------|
| Type:                     | 2-way full range                                 |
| Application:              | Superior quality short throw                     |
| Frequency response:       | 80 Hz - 30 kHz ( - 3 dB )                        |
| Power handling AES:       | 250 W                                            |
| Program power:            | 500 W                                            |
| Peak power:               | 1.000 W                                          |
| Sensitivity:              | 94 dB                                            |
| Max. SPL peak:            | 124 dB                                           |
| Dispersion:               | 90° x 60°                                        |
| Components:               |                                                  |
| Low frequency:            | 2x 5.5"/ 1.5" voice coil<br>ultra low distortion |
| High frequency:           | BMS 4538 , 1.5"<br>voice coil driver             |
| Crossover point:          | 1600 Hz Passive                                  |
| Nominal impedance:        | 16 Ohm                                           |
| Input connectors:         | 2 x Neutrick™ NL4MP                              |
| Enclosure material:       | 12/15 mm Baltic birch                            |
| Finish:                   | Textured Black paint                             |
| Flying Hardware:          | 8x M6 treaded points                             |
| Dimensions:               | 160 x 480 x 180 mm                               |
| Net weight:               | 8 kg                                             |

## K189/K189 Pro

- Extreme compact multidesign enclosure
- Wide coverage angles
- BMS 1" patented compression driver
- Multiple fly-points for easy hanging (Pro only)

### Applications:

Club  
Stage Monitor  
Band PA  
Corporate Events

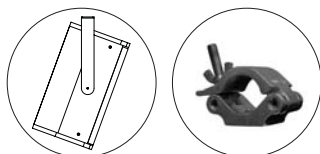


The CODA Audio K189 is a compact, full range, high output loudspeaker system that offers both high fidelity and high efficiency for variety of applications. The asymmetric profile of the K189/K189Pro permits use as a Front of House P.A. System or as a Stage Monitor.

### System components:

AC24S  
PW112  
PW118  
PW18A

### Accessories:



U-bracket  
vertical

68620  
Truss clamp

| TECHNICAL SPECIFICATIONS: |                                          |
|---------------------------|------------------------------------------|
| Type:                     | 2-way full range                         |
|                           | Multidesign                              |
| Application:              | High quality short throw                 |
| Frequency response:       | 60 Hz - 30 kHz ( -3 dB)                  |
| Power handling AES:       | 150 W                                    |
| Program power:            | 300 W                                    |
| Peak power:               | 600 W                                    |
| Sensitivity:              | 94.5 dB                                  |
| Max. SPL peak:            | 122 dB                                   |
| Dispersion:               | 90° Conical                              |
| <b>Components:</b>        |                                          |
| Low frequency:            | Custom 8"                                |
| High frequency:           | BMS 4538 , 1"driver                      |
| Crossover point:          | 1900 Hz                                  |
| Nominal impedance:        | 16 Ohm (K189Pro),<br>8 Ohm (K189)        |
| Input connectors:         | 2 x Neutrick™ NL4MP                      |
| Enclosure material:       | 15 mm plywood                            |
| Flying Hardware:          | 1 x AirCargo<br>+ 14x M6 ( Only K189Pro) |
| Dimensions:               | 250 x 480 x 285 mm                       |
| Net weight:               | 13 kg (K189Pro),<br>12 kg (K189)         |

## K289/K289 Pro

- Compact, high output full-range system
- Wide coverage angles
- BMS 1" patented compression driver
- Multiple fly-points for easy hanging (Pro only)

### Applications:

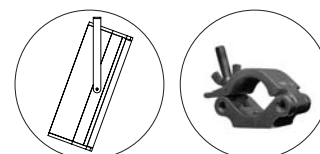
Front-of-House  
Corporate Events  
Band PA  
Club



The K289 contains a pair of low frequency 8-inch cone drivers with 2" voice coils, and a 1" high frequency driver (BMS 4538) mounted on a 90° conical waveguide. All Pro enclosures include 14 M6 mounting suspension points and an air cargo flying track.

### System components:

AC24S  
PW115  
PW118  
PW18A



U-bracket  
vertical

68620  
Truss clamp

## AC24S

Analog Signal Processor - see page 41 for further information.



| TECHNICAL SPECIFICATIONS: |                                            |
|---------------------------|--------------------------------------------|
| Type:                     | 2-way full range                           |
| Application:              | High quality short throw                   |
| Frequency response:       | 55 Hz - 30 kHz ( -3 dB)                    |
| Power handling AES:       | 300 W                                      |
| Program power:            | 600 W                                      |
| Peak power:               | 1200 W                                     |
| Sensitivity:              | 97.5 dB                                    |
| Max. SPL peak:            | 128 dB                                     |
| Dispersion:               | 90° Con. (289),                            |
| <b>Components:</b>        |                                            |
| Low frequency:            | 2x Custom 8"                               |
| High frequency:           | BMS 4538 , 1"driver                        |
| Crossover point:          | 1900 Hz                                    |
| Nominal impedance:        | 16 Ohm (K289/286Pro),<br>4 Ohm (K289/286)  |
| Input connectors:         | 2 x Neutrick™ NL4MP                        |
| Enclosure material:       | 15 mm plywood                              |
| Flying Hardware:          | 1 x AirCargo + 12xM8<br>(Only K289/286Pro) |
| Dimensions:               | 250 x 700 x 300 mm                         |
| Net weight:               | 19 kg, 20 kg (Pro)                         |

## K12v<sup>2</sup>

- 2-way compact versatile full range system
- High power handling of 500W
- Neodymium drivers for light weight
- Rutable elliptical waveguide
- Designed for both PA and stage monitoring

### Applications:

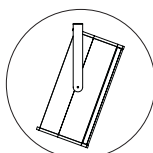
Front-of-House  
Corporate Events  
Stage Monitor  
Band PA  
Club



The Coda Audio K12 is a versatile, full range, two-way loudspeaker system that features a high power BMS 12" neodymium woofer and a BMS 1" neodymium compression driver coupled to an 80° x 60° rutable elliptical waveguide. The K12 incorporates a multi-design enclosure fitted with M6 threaded points for use with an optional U-bracket and includes an integral top hat.

### System components:

AC24M  
PW115,  
PW118  
PW18A



U-bracket  
vertical



68620  
Truss clamp

## AC24M

Analog Signal Processor - see page 41 for further information.



### TECHNICAL SPECIFICATIONS:

|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| Type:               | 2-way full range multi design                                   |
| Application:        | High level short throw or stage monitor                         |
| Frequency response: | 60 Hz - 21 kHz (-3 dB)                                          |
| Power handling AES: | 500 W                                                           |
| Peak power:         | 2000 W                                                          |
| Sensitivity:        | 99 dB                                                           |
| Max. SPL peak:      | 132 dB                                                          |
| Dispersion:         | 80° x 60°                                                       |
| <b>Components:</b>  |                                                                 |
| Low frequency:      | BMS 12" neodymium woofer<br>3" (77 mm) voice coil, 500 W (AES)  |
| High frequency:     | BMS 1" neodymium compression driver<br>1.75" (44.4 mm) VC, 80 W |
| Crossover point:    | 1,200 Hz Passive                                                |
| Nominal impedance:  | 8 Ohm                                                           |
| Input connectors:   | 2 x Neutrick™ NL4MP                                             |
| Suspension Kx15M:   | 2x M6 for use with optional U-bracket                           |
| Enclosure material: | 15/18 mm plywood                                                |
| Finish:             | textured black paint                                            |
| Dimensions:         | 348 x 615 x 310 mm                                              |
| Net weight:         | 18 kg                                                           |

## K15v<sup>2</sup>

- 2-way compact versatile full range system
- High power handling of 500W
- Neodymium drivers for light weight
- Rutable elliptical waveguide
- Designed for both PA and stage monitoring

### Applications:

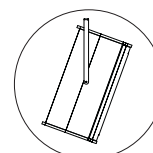
Front-of-House  
Corporate Events  
Stage Monitor  
Band PA  
Club



The Coda Audio K15 is a versatile, full range, two-way loudspeaker system that features a high power BMS 15" neodymium woofer and a BMS 1" neodymium compression driver coupled to an 80° x 60° rutable elliptical waveguide.

### System components:

AC24L  
PW115  
PW118  
PW18A



U-bracket  
vertical



68620  
Truss clamp

## AC24L

Analog Signal Processor - see page 41 for further information.



### TECHNICAL SPECIFICATIONS:

|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| Type:               | 2-way full range multi design                                   |
| Application:        | High level short throw or stage monitor                         |
| Frequency response: | 50 Hz - 21 kHz (-3 dB)                                          |
| Power handling AES: | 500 W                                                           |
| Peak power:         | 2000 W                                                          |
| Sensitivity:        | 99 dB                                                           |
| Max. SPL peak:      | 132 dB                                                          |
| Dispersion:         | 80° x 60°                                                       |
| <b>Components:</b>  |                                                                 |
| Low frequency:      | BMS 15" neodymium woofer<br>3" (77 mm) voice coil, 500 W (AES)  |
| High frequency:     | BMS 1" neodymium compression driver<br>1.75" (44.4 mm) VC, 80 W |
| Crossover point:    | 1,200 Hz Passive                                                |
| Nominal impedance:  | 8 Ohm                                                           |
| Input connectors:   | 2 x Neutrick™ NL4MP                                             |
| Suspension Kx15M:   | 2x M6 for use with optional U-bracket                           |
| Enclosure material: | 15 mm plywood                                                   |
| Finish:             | textured black paint                                            |
| Dimensions:         | 420 x 690 x 380 mm                                              |
| Net weight:         | 22 kg                                                           |

## PW12A/PW12

- Active tri-amp subwoofer with amplifier outlets for stereo tops
- 12" neodymium ultra low distortion woofer
- 1000W Class D + 2x300W Mosfet amplifiers
- Low power compression, superb quality sound
- Optical Limiters for State-of -the-art protection
- Optimised to power the Coda K- and D-Series passive cabinets
- Capable to drive an additional passive woofer PW12

**PW12A** is an active tri-amp system subwoofer with amplifier outlets for passive tops containing 1600W amplification and processing for a complete stereo Sub/Sat system.

**The electronic:** integrates one 1000W high efficiency class D amplifier for the low frequency and 2x300W mosfet amplifiers for the top cabinets. The advanced analogue processor includes optical limiters for each channel, 24 dB phase-aligned crossovers, subsonic filters, EQ's etc to provide a perfect match between amplifiers and loudspeakers for optimum acoustic output and reliability.

The use of high efficiency class D amplifier for the subwoofer and mosfet amplifiers for the Tops ensures small size, reduced weight and superb sonic performance.

**The loudspeaker:** 12" high power, high excursion neodymium ultra low distortion woofer providing powerful and extended low frequency response down to 30Hz.

**System integration:** Optimized to work together with the K- and D-series full range passive cabinets, the PW12A can be connected to diverse mid-high loudspeakers for different applications to build a complete stereo Sub/Sat system. An integrated speaker output enables to drive an additional passive subwoofer (PW12) increasing the system low frequency output with 6dB without the need of multiple 19" audio gear and external racks.

**Applications:** Used in a wide variety of configurations they provide compact and economical plug and play solution for Bands, Small PA-Systems, Mobile DJ's or Permanent installations.



| TECHNICAL SPECIFICATIONS PW 12: |                    |
|---------------------------------|--------------------|
| Power handling RMS:             | 600 W              |
| Program power:                  | 1.200 W            |
| Peak power:                     | 4800 W             |
| Sensitivity:                    | 96 dB, 1 W / 1 m   |
| Nominal impedance:              | 8 Ohm              |
| Input connectors:               | 2x Neutrick™ NL4MP |
| Dimensions:                     | 398 x 450 x 495 mm |
| Net weight:                     | 23 kg              |

Same as the PW12A without the amplifier.



### System components:

K4  
K5  
K189  
D5  
D8  
PW12



Amp - PW12A

| TECHNICAL SPECIFICATIONS PW 12A: |                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------|
| Type:                            | Self-powered subwoofer cabinet and satellite amps                                |
| Application:                     | Small/Medium venues subwoofer                                                    |
| Frequency response:              | 30 Hz to 110 Hz                                                                  |
| Maximum SPL peak:                | 127 dB single cabinet,<br>133 dB (PW12A + PW12 as slave)                         |
| Amplifier Sub:                   | Class D                                                                          |
| Max. power output (RMS):         | 1000 W / 4 Ohm                                                                   |
| Peak output current:             | 50 A                                                                             |
| THD+N:                           | 0.04 % @1000 W, 100 Hz, 4 Ohm                                                    |
| Amplifiers Top:                  | Mosfet 2x 300 W, 8 Ohm continuous,<br>2x 600 W Burst THD +N < 0,001%             |
| Components:                      | 12" neodymium high excursion woofer 8 Ohm,<br>3" (77 mm) voice coil, 600 W (AES) |
| Crossover:                       | 20 Hz high pass 18 dB, 100 Hz low-pass 24 dB, EQ                                 |
| Input:                           | Balanced                                                                         |
| Connectors:                      | L+R female XLR/ TRS Jack; L+R male XLR loop<br>(Pin2+; 3-; 1 Gnd)                |
| Impedance:                       | 10 kOhm                                                                          |
| Input sensitivity:               | 0.775 V (RMS)                                                                    |
| External speaker outputs:        | L, R, Sub, 3x Neutrick™ NL4MP (8 Ohm only)                                       |
| AC Connector:                    | Neutrick™ PowerCon                                                               |
| AC power requirements:           | 2800 W peak, 1400 W continuous (max)                                             |
| LED Indicators:                  | Power on, Signal, 0- dB, LF Limit, Overload                                      |
| Gain:                            | -9 dB, +3 dB                                                                     |
| Controls:                        | Volume: Sub, Top-L, Top-R                                                        |
| Enclosure material:              | 18 mm Baltic birch                                                               |
| Finish:                          | Textured Black paint                                                             |
| Dimensions:                      | 398 x 450 x 590 mm                                                               |
| Net weight:                      | 37 kg                                                                            |

## D-core 2

**D-core 2.1 mobile** Ultra compact Active PA System for Solo-Entertainer, Duos, Unplugged, mobile DJ, Corporate events, 1600W amplification, incl. PW12A, 2xK5

**D-core 2.2 mobile** Ultra compact Active PA and stage monitor System for Solo-Entertainer, Duos, Unplugged, mobile DJ, 1600W amplification, incl. PW12A, 2xK5 + 2xK4 (as monitors)

**D-core 2.3 mobile** Ultra compact Active PA System for Solo-Entertainer, Duos, Unplugged, mobile DJ, Corporate events, 1600W amplification, incl. PW12A, PW12, 2xK189

**D-core 2.4 install** Active four point installation system for Bistros, Restaurants, Pubs, Shopping Centers, Convention Centers, Multimedia, Houses of Worship, Conferences or Corporate events, 1600W, incl. PW12A, 4xD5

**D-core 2.5 install** Active four point installation system for Bistros, Restaurants, Pubs, Shopping Centers, Convention Centers, Multimedia, Houses of Worship, Conferences or Corporate events , 1600W, incl. PW12A, PW12, 4xK5

**D-core 2.6 install** Active distributed installation system for Bistros, Restaurants, Pubs, Shopping Centers, Convention Centers, Multimedia, Houses of Worship, Conferences or Corporate events, 1600W, incl. PW12A, PW12, 6xD5

D-core 2.1 mobile



D-core 2.3 mobile



D-core 2.2 mobile



D-core 2.4 install



## PW15A-Pro

- Active tri-amp subwoofer including amplifier outlets for stereo tops
- 15" neodymium ultra low distortion woofer
- 1000W Class D + 2x300W Mosfet amplifiers
- Low power compression, superb quality sound
- Optical Limiters for State-of -the-art protection
- Optimised to power the Coda K and D-Series passive cabinets

**PW15A** is an active tri-amp system subwoofer with amplifier outlets for passive tops containing 1600W amplification and processing for a complete stereo Sub/Sat system.

**The electronic:** integrates one 1000W high efficiency class D amplifier for the low frequency and 2x300W mosfet amplifiers for the top cabinets. The advanced analogue processor includes optical limiters for each channel, 24 dB phase-aligned crossovers, subsonic filters, EQ's etc to provide a perfect match between amplifiers and loudspeakers for optimum acoustic output and reliability.

The use of high efficiency class D amplifier for the subwoofer and mosfet amplifiers for the Tops ensures small size, reduced weight and superb sonic performance.

**The loudspeaker:** 15" high power, high excursion neodymium ultra low distortion woofer providing powerful and extended low frequency response down to 38Hz. The loudspeaker is 4 Ohm, consuming the whole power of 1000W from the class D amplifier and therefore can't drive additional passive subwoofer. The cabinet incorporates extremely high excursion, state of the art 15" neodymium driver found only in top of the range concert systems. Optimal output v/s volume.

**System integration:** Optimized to work together with the K- and D-series full range passive cabinets, the PW15A-Pro can be connected to diverse mid-high loudspeakers for different applications to build a complete stereo Sub/Sat system while replacing multiple 19" audio gear and eliminate the need of external racks. The system can't drive additional passive subwoofer. Optimal output v/s volume.

**Applications:** Used in a wide variety of configurations they provide compact and economical plug and play solution for Bands, Small PA-Systems, Mobile DJ's or Permanent installations.



### System components:

K12v2  
K189v2  
D8  
D12



| TECHNICAL SPECIFICATIONS: |                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------|
| Type:                     | Active tri-amp subwoofer with amplifier outlets for tops                          |
| Application:              | Small/Medium venues                                                               |
| Frequency response:       | 38 Hz to 100Hz                                                                    |
| Maximum SPL peak:         | 132dB                                                                             |
| Amplifier Sub:            | Class D                                                                           |
| Max. power output (RMS):  | 1000W/4 Ohm                                                                       |
| Peak output current:      | 50A                                                                               |
| THD+N:                    | 0.04% at 1000W, 100Hz, 4 Ohm                                                      |
| Amplifiers Top:           | Mosfet 2x300W/8 Ohm Continuous, 2x600W Burst                                      |
| THD+N:                    | <0,001%                                                                           |
| Components:               | 15" neodymium high excursion woofer<br>4 Ohm, 4" (101 mm) voice coil, 1200W (AES) |
| Crossover:                | 28Hz high pass 18dB, 100Hz low-pass 24dB, EQ                                      |
| Input:                    | Balanced                                                                          |
| Connectors:               | L+R female XLR/ TRS Jacks;<br>L+R male XLR loop (Pin2+; 3-; 1 Gnd)                |
| Impedance:                | 10 kOhm                                                                           |
| Input sensitivity:        | 0,775V (RMS)                                                                      |
| External speaker outputs: | L, R, Sub, 3xNeutrick™ NL4MP (8 Ohm only)                                         |
| AC Connector:             | Neutrick™ PowerCon                                                                |
| AC power requirements:    | 2800W peak, 1400W continuous (max)                                                |
| LED Indicators:           | Power on, Signal, 0-dB,<br>LF Limit, HF Limit, Overload                           |
| Controls:                 | Volume: Sub, Top-L, Top-R, Gain: -9dB, +3dB                                       |
| Enclosure material:       | 18mm Baltic birch                                                                 |
| Finish:                   | Textured Black paint                                                              |
| Dimensions:               | 510 x 450 x 650 mm                                                                |
| Net weight:               | 46 kg                                                                             |

# Ultra compact PA-Systems



**D-core 5.1 mobile** Compact Active PA-System for Bands, mobile DJ's, 1600W, incl. PW15A-Pro, 2xK189v2

**D-core 5.2 mobile** Compact Active PA-System for Rental Companies, Show and Cover bands, 1600W, incl. PW15A-Pro, 2xK12v2

**D-core 5.4 install** Active four point system for Small Clubs/Discos, Theatres, Shopping Centers, Convention Centers, Conferences, Corporate events, 3200W, incl. 2xPW15A-Pro, 4xD8

D-core 5.1 mobile



D-core 5.4 install



portable + installation

self-powered

## PW18A / PW18A-Pro

- Active tri-amp subwoofer including amplifier outlets for stereo tops
- 18" Neodymium ultra low distortion woofer
- 1000W Class D + 2x300W Mosfet amplifiers
- Low power compression, superb quality sound
- Optical Limiters for State-of-the-art protection
- Optimised to power the Coda K- and D-Series passive cabinets

**PW18A / PW18A-Pro** are active tri-amp subwoofers with amplifier outlets for passive tops containing 1.600W amplification and processing for a complete stereo Sub/Sat system.

**The electronic:** integrates one 1000W high efficiency class D amplifier for the low frequency and 2x300W mosfet amplifiers for the top cabinets. The advanced analogue processor includes optical limiters for each channel, 24 dB phase-aligned crossovers, subsonic filters, EQ's etc to provide a perfect match between amplifiers and loudspeakers for optimum acoustic output and reliability.

The use of high efficiency class D amplifier for the subwoofer and mosfet amplifiers for the tops ensures small size, reduced weight and superb sonic performance.

**The loudspeaker components:** high power high excursion neodymium ultra low distortion woofers provide powerful and extended low frequency response.

**The 18A:** The incorporated 18" driver is 8 Ohm. An integrated speaker output enables to drive an additional passive subwoofer (PW118) increasing the system low frequency output with 6dB. When driven together with the passive PW118 the class D amplifiers delivers its complete power of 1000W.

**The 18A-Pro:** Same as the PW18A, except that the 18" loudspeaker is 4 Ohm, consuming the whole power of 1000W from the class D amplifier and therefore can't drive additional passive subwoofer. The cabinet incorporates extremely high excursion, state of the art 18" neodymium driver found only in top of the range concert systems. Optimal output v/s volume.

**System integration:** Optimized to work together with the K- and D-series full range passive cabinets, the PW18A / PW18A-Pro active subwoofers can be connected to diverse mid-high loudspeakers for different applications to build a complete stereo Sub/Sat system while replacing multiple 19" audio gear and eliminate the need of external racks.

**Applications:** Used in a wide variety of configurations they provide compact and economical plug and play solution for Bands, Small touring P.A. systems, Mobile DJ's or Permanent installations.



**System components:**  
K12v<sup>2</sup>  
D8  
D12

| TECHNICAL SPECIFICATIONS: |                                                                            |
|---------------------------|----------------------------------------------------------------------------|
| Type:                     | Self-powered subwoofer cabinet and satellite amps                          |
| Application:              | Small/Medium venues subwoofer                                              |
| Frequency response:       | 30 Hz to 80 Hz                                                             |
| Maximum SPL peak:         | 131 dB single cabinet,<br>137 dB (PW18A + PW118 as slave)                  |
| Amplifier Sub:            | Class D                                                                    |
| Max. power output (RMS):  | 1000 W / 4 Ohm                                                             |
| Peak output current:      | 50 A                                                                       |
| THD+N:                    | 0.04 % at 1000 W, 100 Hz, 4 Ohm                                            |
| Amplifiers Top:           | Mosfet 2x 300 W, 8 Ohm continuous,<br>2x 600 W Burst THD +N < 0,001%       |
| Components PW18A:         | 18" high excursion woofer 8 Ohm,<br>4" (101.6 mm) voice coil, 1000 W (AES) |
| Components PW18A-Pro:     | 18" high excursion woofer 4 Ohm,<br>4" (101.6 mm) voice coil, 1200 W (AES) |
| Crossover:                | 20 Hz high pass 18 dB, 100 Hz low-pass 24 dB, EQ                           |
| Input:                    | Balanced                                                                   |
| Connectors:               | L+R female XLR/ TRS Jack; L+R male XLR loop<br>(Pin2+; 3-; 1 Gnd)          |
| Impedance:                | 10 kOhm                                                                    |
| Input sensitivity:        | 0.775 V (RMS)                                                              |
| External speaker outputs: | L, R, Sub, 3x Neutrick™ NL4MP (8 Ohm only)                                 |
| AC Connector:             | Neutrick™ PowerCon                                                         |
| AC power requirements:    | 2800 W peak, 1400 W continuous (max)                                       |
| LED Indicators:           | Power on, Signal, 0- dB, LF Limit, Overload                                |
| Gain:                     | -9 dB, +3 dB                                                               |
| Controls:                 | Volume: Sub, Top-L, Top-R                                                  |
| Enclosure material:       | 18 mm Baltic birch                                                         |
| Finish:                   | Textured Black paint                                                       |
| Dimensions:               | 600 x 670 x 450 mm                                                         |
| Net weight:               | 57 kg (PW18A), 59 kg (PW18A-Pro)                                           |

## D-core 8

**D-core 8.2 mobile** Compact Active PA-System for Rental Companies, Show and Cover bands, 1600W, incl. PW18A-Pro, 2xK12v2

**D-core 8.3 mobile** Compact Active PA-System for Rental Companies, Show and Cover bands, 1600W, incl. PW18A, PW118, 2xK12v2

**D-core 8.4 install** Active four point system for Small Clubs/Discos, Theatres, Shopping Centers, Convention Centers, Conferences, Corporate events, 1600W, incl. PW18A, PW118, 4xD8

**D-core 8.5 install** Active system four point for Mid sized Clubs/Discos, Theatres, Shopping Centers or Corporate events, 3200W, incl. 2xPW18A, 2xPW118, 4xD12

D-core 8.2 mobile



D-core 8.5 install

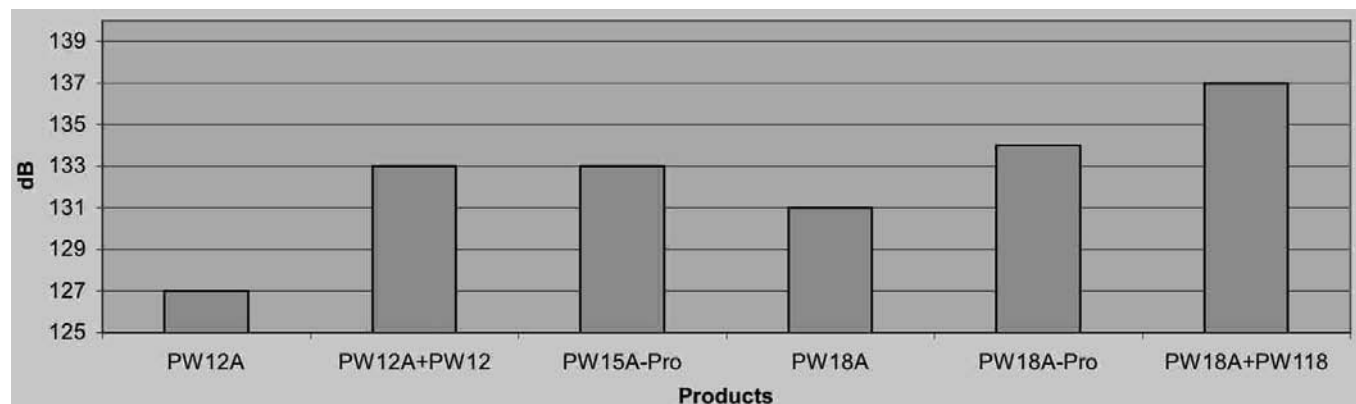


D-core 8.4 install



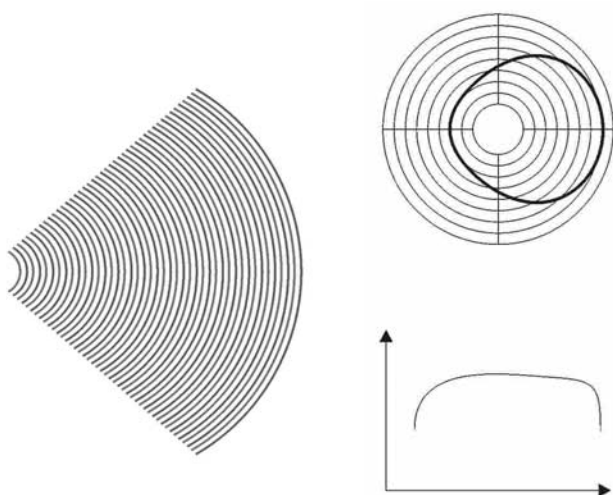
## What to choose

Comparing the Bass SPL, size and cost you will find the optimal configurations for every application from very compact, easy transportable PA-system up to mid sized Club-installation.



## The Rx-series

- 3-way design where the sensible middle and high frequency are radiated from one point
- Internal selector for passive or bi-amp operation
- Passive operation without the need of external controller
- 50% increased power handling
- 45% less weight
- Lower distortion
- Better directivity



### BMS 2"-High Power Coaxial Neodymium Driver

With two subsystems in one, each driver covers a smaller frequency range for increased power handling, high dynamic and extremely low distortion

The R-Series introduced first in 1998 is widely known and has gained great reputation providing brilliant performance for touring and installations. The R-series systems have been a powerful tool for many audio professionals over the years with many thousand units sold all over the world.

The new Rx series continues this tradition and has been significantly improved using advanced transducer technology. New designed neodymium ultra low distortion woofers for increased power handling and less weight, new waveguides for better directivity and minimized throat distortion and state of the art, well-known BMS neodymium coaxial compression driver.

The Rx-series systems are 3-way full range loudspeakers featuring an internal selector for passive or bi-amp operation. At the heart of the Coda Audio Rx-Series is the innovative BMS 2" neodymium coaxial compression driver. An extremely wide and flat frequency response is achieved at high sensitivity due to the unique construction. The advanced design aligns the acoustical centers of the middle and high range to produce a single point source. This unique loudspeaker technology provide a coherent wave front without hot spots. Precise directivity ensures uniform coverage with perfect time alignment between the components.

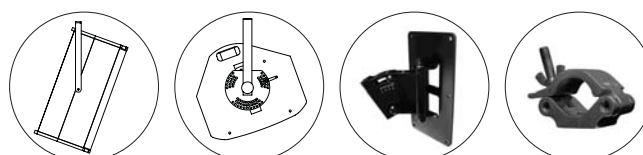
## Rx32M / Rx32M-Pro

- 3-way compact versatile full range system
- Light weight, very high power of 800W
- Unique BMS 2" coaxial neodymium driver
- BMS neodymium 12" ultra low distortion woofer
- Passive or Bi-amplified operation
- Designed for fixed installation and touring



**Applications:**  
Theatre  
Corporate Events  
Club  
Stage Monitor  
Band PA

The Coda Audio Rx32M is a versatile, full range, 3-way loudspeaker system that features a high power BMS 12" neodymium cone driver and a BMS 4592, 2" coaxial neodymium driver coupled to a 90° x 55° waveguide. As a 3-way system, the Rx32M may be driven passively or with bi-amplification to provide extremely high acoustic output. The Rx32M incorporates a multidesign enclosure fitted with two M6 threaded points for use with an optional U-bracket and includes an integral top hat. The Rx32M-Pro has extra air cargo flying tracks enabling easy suspension for both fixed installation using M6 eyebolts or touring applications using clip-on cargo spring stud.



U-bracket vertical      U-bracket Rx32Pro only      24481 Wall mount      68620 Truss clamp

| TECHNICAL SPECIFICATIONS: |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| Type:                     | 3-way full range multi design                                                         |
| Application:              | High level short/medium throw or stage monitor                                        |
| Frequency response:       | 60 Hz - 21k Hz (-3 dB)                                                                |
| Power handling AES:       | 800 W                                                                                 |
| Peak power:               | 3000 W                                                                                |
| Sensitivity:              | 99 dB                                                                                 |
| Max. SPL peak:            | 134 dB                                                                                |
| Dispersion:               | 90° x 55°                                                                             |
| <b>Components:</b>        |                                                                                       |
| Low frequency:            | BMS 12" neodymium woofer<br>4" (101.6 mm) voice coil, 750 W (AES)                     |
| High frequency:           | BMS 2" neodymium coaxial driver<br>3.5" (90 mm) + 1.75" (44.4 mm) VC,<br>150 W + 80 W |
| Crossover:                | 800 Hz, 6.3 kHz Passive                                                               |
| Nominal impedance:        | 8 Ohm                                                                                 |
| Input connectors:         | 2 x Neutrick™ NL4MP                                                                   |
| Suspension Rx32M:         | 2x M6                                                                                 |
| Suspension Rx32M-Pro:     | 5x air cargo tracks and M6 treaded points                                             |
| Enclosure material:       | 15 mm plywood                                                                         |
| Finish:                   | textured black paint                                                                  |
| Dimensions:               | 340 x 590 x 310 mm                                                                    |
| Net weight:               | 20 kg                                                                                 |

## Rx35 / Rx35-Pro

- Light weight, very high power of 900W
- Unique BMS 2" coaxial neodymium driver
- BMS neodymium 15" ultra low distortion woofer
- Elliptical waveguide for precise directivity and less distortion
- Easy Arrayable (Rx35-Pro)
- Designed for fixed installation and touring

### Applications:

Convention Centers, Theatre,  
Corporate Events, Nightclub,  
Band PA

The Rx35 is a extremely high out-put, 3-way full range system, engineered to deliver high fidelity sound in medium to long throw applications. The BMS 4592, 2" neodymium coaxial driver mounted on a 60° x 40° elliptical waveguide produces an unparalleled clean mid/high range from 470Hz. The high power 15" neodymium woofer provides powerful and extended low frequency response with immense headroom. As a 3-way system, the Rx35 may be driven passively or with bi-amplification to provide extremely high acoustic output. The Rx35 cabinet includes an integral top hat while the Rx35-Pro has extra 5x air cargo flying tracks enabling easy suspension for both fixed installation using M6 eyebolts or touring applications using clip-on cargo spring stud. The extremely high output and precise directivity of the Rx35 are ideal for medium, long throw and outdoor applications. In a large array the Rx35 will provide a coherent wave front and increased low frequency response.



uni frame



5740

Cargo stud&ring

| TECHNICAL SPECIFICATIONS: |                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------|
| Type:                     | 3-way compact full range                                                             |
| Application:              | High level medium/long throw                                                         |
| Frequency response:       | 44 Hz - 21k Hz (- 3 dB)                                                              |
| Power handling AES:       | 900 W                                                                                |
| Peak power:               | 3600 W                                                                               |
| Sensitivity:              | 99 dB                                                                                |
| Max. SPL peak:            | 135 dB                                                                               |
| Dispersion:               | 60° x 40°                                                                            |
| Components:               |                                                                                      |
| Low frequency:            | BMS 15" neodymium woofer<br>4" (101.6 mm) voice coil, 900 W (AES)                    |
| High frequency:           | BMS 2"neodymium coaxial driver<br>3.5" (90 mm) + 1.75" (44.4 mm) VC,<br>150 W + 80 W |
| Crossover:                | 470 Hz, 6.3 kHz Passive                                                              |
| Nominal impedance:        | 8 Ohm                                                                                |
| Input connectors:         | 2 x Neutrick™ NL4MP                                                                  |
| Suspension:               | 5x air cargo tracks and M6 treaded points                                            |
| Enclosure material:       | 15 mm plywood                                                                        |
| Finish:                   | textured black paint                                                                 |
| Dimensions:               | 450 x 810 x 560 mm                                                                   |
| Net weight:               | 34 kg                                                                                |

## Rx36M / Rx36M-Pro

- 3-way compact versatile full range system
- Light weight, very high power of 900W
- Unique BMS 2" coaxial neodymium driver
- BMS neodymium 15" ultra low distortion woofer
- Passive or Bi-amplified operation
- Designed for fixed installation and touring

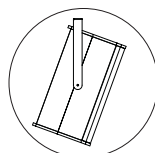
### Applications:

Theatre, Corporate Events, Club,  
Stage monitor, Band PA

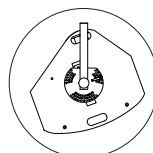


The Coda Audio Rx36M is a versatile, full range, three-way loudspeaker system that features a high power BMS 15" neodymium woofer and a BMS 4592, 2" coaxial neodymium driver coupled to a 60° x 40° waveguide. As a 3-way system, the Rx36M may be driven passively or with bi-amplification to provide extremely high acoustic output.

The Rx36M incorporates a multidesign enclosure fitted with two M6 threaded points for use with an optional U-bracket and includes an integral top hat. The Rx36M-Pro has extra air cargo flying tracks enabling easy suspension for both fixed installation using M6 eyebolts or touring applications using clip-on cargo spring stud.



U-bracket  
vertical



U-bracket  
Rx36M-Pro only



24481  
Wall mount



68620  
Truss clamp

| TECHNICAL SPECIFICATIONS: |                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------|
| Type:                     | 3-way full range multi design                                                        |
| Application:              | High level short/medium throw or stage monitor                                       |
| Frequency response:       | 50 Hz - 21k Hz (- 3 dB)                                                              |
| Power handling AES:       | 900 W                                                                                |
| Peak power:               | 3600 W                                                                               |
| Sensitivity:              | 99 dB                                                                                |
| Max. SPL peak:            | 133 dB                                                                               |
| Dispersion:               | 60° x 40°                                                                            |
| Components:               |                                                                                      |
| Low frequency:            | BMS 15" neodymium woofer<br>4" (101.6 mm) voice coil, 900 W (AES)                    |
| High frequency:           | BMS 2"neodymium coaxial driver<br>3.5" (90 mm) + 1.75" (44.4 mm) VC,<br>150 W + 80 W |
| Crossover:                | 700 Hz, 6.3 kHz Passive                                                              |
| Nominal impedance:        | 8 Ohm                                                                                |
| Input connectors:         | 2 x Neutrick™ NL4MP                                                                  |
| Suspension Rx32M:         | 2x M6 for use with optional U-bracket                                                |
| Suspension Rx32M-Pro:     | 5x air cargo tracks and M6 treaded points                                            |
| Enclosure material:       | 15 mm plywood                                                                        |
| Finish:                   | textured black paint                                                                 |
| Dimensions:               | 420 x 660 x 380 mm                                                                   |
| Net weight:               | 24.5 kg                                                                              |

## Rx40 / Rx40-Pro

- 3-way compact full range system
- Light weight, very high power of 1000W
- Unique BMS 2" coaxial neodymium driver
- Double BMS neodymium 12" ultra low distortion woofers
- Passive or Bi-amplified operation
- Designed for fixed installation and touring

### Applications:

Convention Centers  
Theatre  
Corporate Events  
Nightclub  
Band PA

The Rx40 is a extremely high output, 3-way full range system, engineered to deliver high fidelity sound in medium to long throw applications. The unique BMS 4592, 2" neo-dymium coaxial driver mounted on a 60° x 40° waveguide produces an unparalleled clean mid/high range from 700Hz. The double high power 12" neodymium woofer provides powerful and extended low frequency response with immense headroom. As a 3-way system, the Rx40 may be driven passively or with bi-amplification to provide extremely high acoustic output. Rx40-Pro has extra 5x air cargo flying tracks enabling easy suspension for both fixed installation using M6 eyebolts or touring applications using clip-on cargo spring stud. The extremely high output and precise directivity of the Rx40 are ideal for medium, long throw and outdoor applications. The system is very well suited for bands, theatres or clubs.



uni frame



5740

Cargo stud&ring

| TECHNICAL SPECIFICATIONS: |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| Type:                     | 3-way full range multi design                                                         |
| Application:              | High level medium throw                                                               |
| Frequency response:       | 60 Hz - 21k Hz (- 3 dB)                                                               |
| Power handling AES:       | 1000 W                                                                                |
| Peak power:               | 4000 W                                                                                |
| Sensitivity:              | 101 dB                                                                                |
| Max. SPL peak:            | 137 dB                                                                                |
| Dispersion:               | 60° x 40°                                                                             |
| <b>Components:</b>        |                                                                                       |
| Low frequency:            | BMS 2x 12" neodymium woofer<br>3" (77 mm) voice coil, 500 W each                      |
| High frequency:           | BMS 2" neodymium coaxial driver<br>3.5" (90 mm) + 1.75" (44.4 mm) VC,<br>150 W + 80 W |
| Crossover:                | 700 Hz, 6.3 kHz Passive                                                               |
| Nominal impedance:        | 8 Ohm                                                                                 |
| Input connectors:         | 2 x Neutrick™ NL4MP                                                                   |
| Suspension Rx32M-Pro:     | 5x air cargo tracks                                                                   |
| Enclosure material:       | 15 mm plywood                                                                         |
| Finish:                   | textured black paint                                                                  |
| Dimensions:               | 360 x 920 x 430 mm                                                                    |
| Net weight:               | 34 kg                                                                                 |

## System Components for the Rx-series:

### AC24

Analog Signal Processor - see page 41 for further information.



### PW118

18" high output subwoofer (see page 16 for further information).



### PW215

Double 15" high output subwoofer (see page 17 for further information).

### PW418

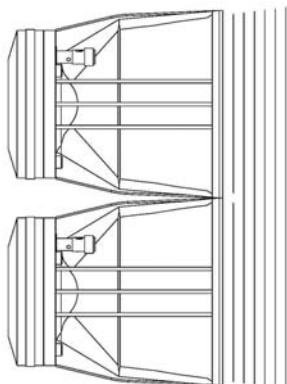
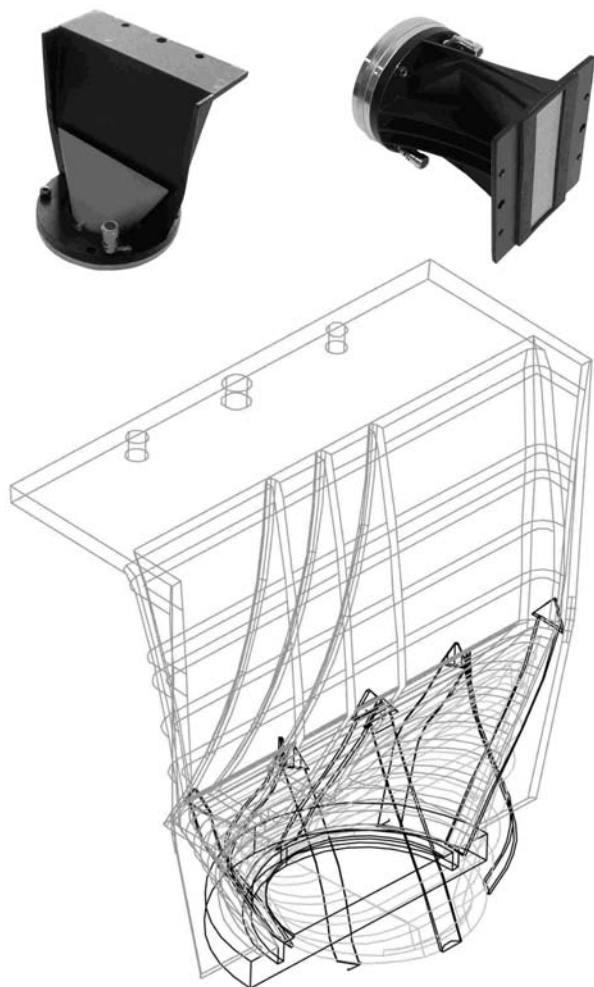
Double 18" high output subwoofer (see page 18 for further information).



### Introduction:

At the heart of the Coda Audio Line-Arrays is the BMS 4" Planar wave driver. The driver contains a high energy neodymium magnet system and a unique annular ring diaphragm. The ring diaphragm works similar as a wound 140mm long ribbon diaphragm providing linear frequency response up to 20kHz.

This unique driver technology radiates a coherent planar wave front from a rectangular piston without internal diffraction for superior dispersion control and high fidelity sound.



*The advanced design of the BMS 4510ND planar wave driver allows perfect acoustical coupling of individual units to create virtually continuous line source.*



## LA4/LA4-SUB

- Ultra compact size, low weight
- BMS 4" Neodymium Planar Wave Driver (Patent Pending)
- Two BMS 5" neodymium ultra low distortion woofers
- Wide horizontal coverage of 110°
- Vertical curving 0° to 20° in 2°-steps
- High efficiency
- Full-range capability
- Integrated rigging system for flown or ground-stacked arrays

The LA4 is an ultra compact, 2-way full range line array system, designed for a wide range of venues where high fidelity sound and outstanding intelligibility is required. The system contains two BMS 5" neodymium ultra low distortion cone speakers and a BMS 4510ND, 4" neodymium planar wave driver. The systems are designed to be used in multiples with a minimal configuration of four. Up to 40 units can be used to achieve extreme high levels needed for larger venues. An optional LA4-SUB or LA5A-SUB can be added for increased low frequency response.

The integrated rigging system allows quick and easy flying or ground stacking. Arrays may be build straight or curved in various angular to obtain the desired vertical coverage. The fact that the LA4 is ultra compact and light reduces manpower and transport. When coupled with LA4-SUB or LA5A-SUB the LA4 gives audio companies a flexible, plug and play system for a wide range of applications from the smallest venue to a concert-level sound.

### Accessoires:

Frame: FR4  
U-Bracket: CULA4  
Cable: Speakon

### System components LA4:

LA4-SUB  
PW418  
DC26



## LA4-SUB

Same as the Line-core 4 but without the amplifier. Primarily designed for integration into an LA4 line array, the LA4-SUB is also suited to general use subwoofer.

| TECHNICAL SPECIFICATIONS: |                    |
|---------------------------|--------------------|
| Power handling RMS:       | 1000 W             |
| Nominal impedance:        | 8 Ohm              |
| Input connectors:         | 2x Neutrick™ NL4MP |
| Dimensions:               | 480 x 450 x 600 mm |
| Net weight:               | 32 kg              |



### Applications:

Arenas  
Convention Centers  
Ballrooms  
Theatres  
Music Pavilions  
Auditoriums



## DC26

Digital Controller - see page 41 for further information.



| TECHNICAL SPECIFICATIONS (single enclosure): |                                                                                  |  |  |
|----------------------------------------------|----------------------------------------------------------------------------------|--|--|
| Type:                                        | 2-way full range                                                                 |  |  |
| Application:                                 | Line Array                                                                       |  |  |
| Frequency response:                          | 60 Hz - 20 kHz (-3 dB)                                                           |  |  |
| Power handling AES:                          | 250 W                                                                            |  |  |
| Sensitivity Low:                             | 94 dB                                                                            |  |  |
| Max. SPL peak Low:                           | 124 dB                                                                           |  |  |
| Sensitivity High:                            | 113 dB                                                                           |  |  |
| Max. SPL peak High:                          | 142 dB                                                                           |  |  |
| Dispersion:                                  | 110° x 10°                                                                       |  |  |
| Components:                                  |                                                                                  |  |  |
| Low frequency:                               | 2 x BMS 5" neodymium woofers<br>1.5" (38 mm) voice coil, 125 W (AES) each        |  |  |
| High frequency:                              | 1x BMS 4" neodymium planar wave driver<br>1.75" (44.4 mm) voice coil, 80 W (AES) |  |  |
| Crossover point:                             | 1300 Hz, passive                                                                 |  |  |
| Nominal impedance:                           | 16 Ohm                                                                           |  |  |
| Input connectors:                            | 2 x Neutrick™ NL4MP                                                              |  |  |
| Enclosure shape:                             | 10° Horizontal trapezoid                                                         |  |  |
| Enclosure material:                          | Baltic birch plywood                                                             |  |  |
| Finish:                                      | Black textured paint                                                             |  |  |
| Flying Hardware:                             | included                                                                         |  |  |
| Dimensions:                                  | 480 x 150 x 320 mm (incl. Hardware)                                              |  |  |
| Net weight:                                  | 9 kg                                                                             |  |  |

| System Performance: |                            |                              |                     |
|---------------------|----------------------------|------------------------------|---------------------|
| Array               | Frequency Response (-3 dB) | Max. Coverage (-6 dB points) | Maximum Peak Output |
| 1 Enclosure         | 60 - 20000 Hz              | 110° x 10°                   | 124 dB              |
| 4 Enclosures        | 60 - 20000 Hz              | 110° x 40°                   | 136 dB              |
| 8 Enclosures        | 58 - 20000 Hz              | 110° x 60°                   | 142 dB              |

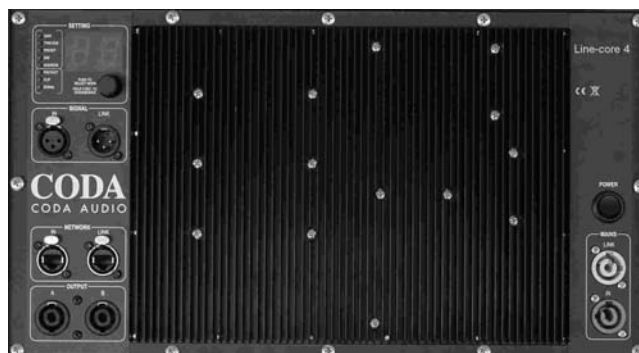
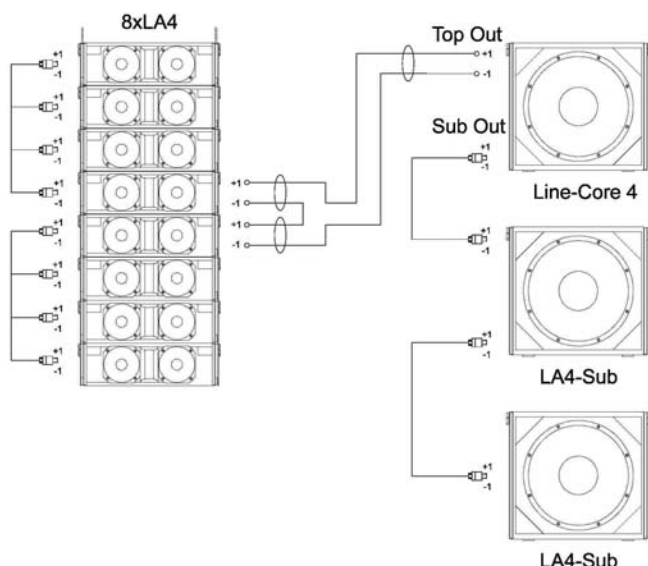
## Line-Core 4

- Active 15" subwoofer with amplifier outlets for up to eight LA4 Line Array modules and two additional subwoofer slaves
- 2-channel class D amplifiers with switching power supply and total power of 3600W
- Advanced DSP design with FIR filter technologies
- Remote control as standard
- 15" neodymium ultra low distortion woofer
- Low power compression, superb quality sound
- Integrated rigging hardware for flown or ground-stacked arrays
- System integration with LA4 and LA4-SUB line arrays

The Line-Core 4 is an active 15" system-subwoofer with amplifier outlets for up to eight LA4 Line Array modules and one or two additional subwoofer slaves (LA4-SUB). Featuring 2-channel class D amplifiers with a total power of 3600W and advanced DSP design with FIR filter technologies, the Line-Core 4 provides compact plug & play line array system solutions without the need of external 19" gear. For specific system configurations up to 10 presets can be stored in the DSP memory. The remote control software allows amplifier control, delay and EQ-settings in real time.

The unique FIR-filter settings provide linear frequency and phase response for state-of-the-art audio performance. The Line-Core 4 is equipped with an extremely high excursion 15" neodymium ultra low distortion woofer in a ported cabinet and provides the same rigging system as the LA4 and LA4-SUB for easy flying or ground stacking in various combinations.

Specially designed for integration into an LA4 line array, the Line-Core 4 gives audio companies a flexible, plug and play complete solution for a wide range of applications from the smallest venue to a concert-level sound.



### Applications:

Large clubs  
Convention Centres  
Houses of Worship  
Sport venues  
Theatres, Musicals  
Club Touring  
Corporate events

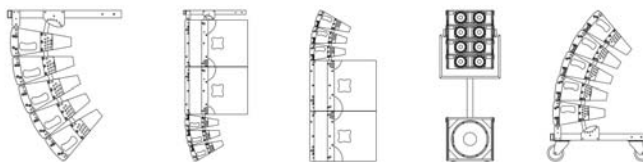
### System Components:

Top: LA4  
Slave Subwoofer: LA4-SUB

### Accessories:

Frame: LA4 Frame  
Cable: Speakon

### Rigging possibilities:



| TECHNICAL SPECIFICATIONS (single enclosure): |                                                                                          |
|----------------------------------------------|------------------------------------------------------------------------------------------|
| Type:                                        | Active dual-amp system subwoofer                                                         |
| Application:                                 | LA4 array integration                                                                    |
| Frequency response:                          | 40 Hz to 80-160Hz DSP configurable                                                       |
| Maximum output long term:                    | 127dB                                                                                    |
| Maximum output peak:                         | 133dB                                                                                    |
| Amplifier:                                   | Class D                                                                                  |
| Number of channels:                          | 2                                                                                        |
| Max. Power each channel (rms):               | 2400 W at 4 Ohm<br>1200 W at 8 Ohm                                                       |
| Total power both channels driven:            | 3600 W                                                                                   |
| Max peak power:                              | 7200W                                                                                    |
| Max output voltage:                          | 145Vp/290Vpp                                                                             |
| THD+N:                                       | < 0,05 % (20 Hz - 20 kHz,<br>8 Ohm load, 3 dB below rated power)                         |
| Damping Factor:                              | > 1000 (8 Ohm load, 1 kHz and below)                                                     |
| Components:                                  | 15" neodymium ultra low distortion woofer<br>8 Ohm, 4" (101.6mm) voice coil, 1200W (AES) |
| DSP sample rate:                             | 48 kHz                                                                                   |
| Converters:                                  | 24 Bit with Delta/Sigma converters                                                       |
| Processing:                                  | High precision FIR filters                                                               |
| Analogue Input:                              | XLR female (Mono input),<br>XLR male for output link                                     |
| Max. Input level:                            | +22dBu                                                                                   |
| Network:                                     | 2xNeutrik EtherCon                                                                       |
| AC Connector:                                | 2x Neutrick™ PowerCon                                                                    |
| Operation Voltage:                           | Universal Mains, 85-230V (dual voltage)                                                  |
| Power Output                                 | 2x4-pole SPEAKON connector,<br>channel A = pin ±1, channel B = pin ±2                    |
| LED Indicators:                              | LED's for ON, SIGNAL, CLIP, PROTECT                                                      |
| Gain:                                        | 21 - 39 dB, 1dB steps                                                                    |
| Controls:                                    | Gain, Preset, Trim Sub                                                                   |
| Suspension:                                  | included                                                                                 |
| Enclosure material:                          | 18mm Baltic birch                                                                        |
| Finish:                                      | Textured Black paint                                                                     |
| Dimensions:                                  | 480 x 450 x 600 mm                                                                       |
| Net weight:                                  | 38kg                                                                                     |

## LA5A

- Ultra compact self-powered line array system
- No need of external amplifier racks
- Two BMS 4" Neodymium Planar Wave Driver (Patent Pending)
- Four BMS 5" neodymium ultra low distortion woofers
- Wide horizontal coverage of 110°
- Vertical curving 0° to 10° in 1°-steps
- 500W RMS class D amplifier for the low and a 180W RMS mosfet amplifier for the high frequency
- High SPL, superb quality sound
- Optical Limiters for State-of-the-art protection
- Integrated rigging system for flown or ground-stacked arrays

The LA5A is an ultra compact, 2-way self-powered line array system, designed for a wide range of venues where high fidelity sound and outstanding intelligibility is required. The system contains four BMS 5" neodymium ultra low distortion cone speakers and two BMS 4510ND, 4" neodymium planar wave drivers. The use of high efficiency class D amplifier for the low and mosfet amp for the high frequency ensure small size, reduced weight and superb sonic performance. The integrated control electronic includes optical limiters for each channel, 24 dB phase-aligned asymmetrical crossovers, all pass filters, EQ's etc to provide a perfect match between amplifiers and loudspeakers for optimum acoustic output and reliability. The systems are designed to be used in multiples with a minimal configuration of two. Up to 20 units can be used to achieve extreme high levels needed for larger venues.

An optional LA5A-SUB self powered subwoofer can be added for increased low frequency response. The integrated rigging system allows quick and easy flying or ground stacking. Arrays may be build straight or curved in various angular to obtain the desired vertical coverage. The fact that the LA5A is ultra compact and light reduces manpower and transport. When coupled with the LA5A-SUB the LA5A gives audio companies a flexible, plug and play system for an wide range of applications from the smallest venue to a concert-level sound.



### Applications:

Arenas  
Convention Centers  
Churches  
Theatres  
Music Pavilions  
Auditoriums

### Accessories:

Frame: FR5  
Flight Case: FC5  
U-Bracket: CULA5A  
Cable: Speakon

### TECHNICAL SPECIFICATIONS (single enclosure):

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Type:                 | 2-way self-powered full range system                        |
| Application:          | Line Array                                                  |
| Frequency response:   | 60 Hz - 19 kHz (-3 dB)                                      |
| Maximum output peak:  | 124 dB (long term)                                          |
| Maximum output peak:  | 130 dB                                                      |
| Dispersion:           | 110° x 10°                                                  |
| Amplifiers low range: | Class D                                                     |
| Power output (RMS):   | 500 W / 4 Ohm                                               |
| Peak output current:  | > 45 A                                                      |
| THD+N:                | < 0.02 % at 500 W, 1 kHz, 4 Ohm                             |
| Amplifier high range: | MOSFET 180 W, 500 W Burst                                   |
| THD+N:                | < 0.02 %                                                    |
| Components:           |                                                             |
| Low frequency:        | 4 x BMS 5" neodymium woofers                                |
|                       | 1.5" (38 mm) voice coil, 125 W (AES) each                   |
| High frequency:       | 2x BMS 4" neodymium planar wave drivers                     |
|                       | 1.75" (44.4 mm) voice coil, 80 W (AES) each                 |
| Crossover:            | 1.3 kHz / 24 dB Active                                      |
| High pass filter:     | 44 Hz / 18 dB                                               |
| Input:                | balanced                                                    |
| Connectors:           | 1x female XLR/TRS Jack; 1x male XLR loop (Pin2+; 3-; 1 Gnd) |
| Impedance:            | 10 kOhm                                                     |
| Input sensitivity:    | 0.775 V (RMS)                                               |
| AC Connector:         | 2x Neutrick™ PowerCon                                       |
| AC Power requirement: | 1000 W peak, 600 W continous (max)                          |
| LED Indicators:       | Power on, Signal, 0-dB, LF limit, HF limit, Overload        |
| Gain:                 | -9 dB, +3 dB                                                |
| Enclosure shape:      | Horizontal trapezoid 5°                                     |
| Suspension:           | included                                                    |
| Enclosure material:   | Baltic birch plywood                                        |
| Finish:               | Black textured paint                                        |
| Dimensions:           | 480 x 270 x 420 mm (incl. Hardware)                         |
| Net weight:           | 26 kg                                                       |

### System Performance:

| Array        | Frequency Response (-3 dB) | Max. Coverage (-6 dB points) | Maximum Peak Output |
|--------------|----------------------------|------------------------------|---------------------|
| 1 Enclosure  | 60 - 20000 Hz              | 110° x 10°                   | 130 dB              |
| 4 Enclosures | 58 - 20000 Hz              | 110° x (10° - 40°)           | 142 dB              |
| 8 Enclosures | 57 - 20000 Hz              | 110° x (10° - 80°)           | 148 dB              |

## LA5A-SUB

- Compact self-powered high output subwoofer
- BMS 15" neodymium ultra low distortion woofer
- 1000W (RMS) Class D amplifier
- Low power compression, superb quality sound
- Optical Limiter for State-of-the-art protection
- Integrated rigging hardware for flown or ground-stacked arrays
- System integration with LA4 and LA5A line arrays

The LA5A-SUB is a compact self-powered high output subwoofer incorporating a 1000W high efficiency class D amplifier. The integrated control electronic includes optical limiter, 24 dB phase-aligned crossovers, subsonic filter, EQ etc to provide a perfect match between amplifier and loudspeaker for optimum acoustic output and reliability. The use of high efficiency class D amplifier together with the newly developed neodymium loudspeakers ensure small size, less weight and superb sonic performance.

Complimenting the LA5A full range line array system, the LA5A-SUB extends the system response down to 38Hz. An excellent transient response produces fast high impact bass that is able to reproduce detailed and accurate low frequency information.

The LA5A-SUB is equipped with a BMS 15" neodymium ultra low distortion woofer in a ported cabinet and provides the same rigging system as the LA5A for easy flying or ground stacking in various combination. Primarily designed for integration into an LA5A line arrays, the LA5A-SUB is also suited to general use subwoofer giving audio companies a flexible, plug and play system for a wide range of applications from the smallest venue to a concert-level sound.

### System components:

LA5A, LA5A-SUB, PW418A, DC26

### Applications:

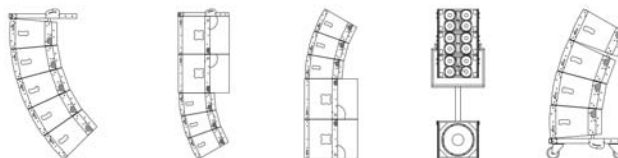
Arenas  
Convention Centers  
Churches  
Theatres  
Music Pavilions  
Auditoriums



### Accessories:

Frame: FR5  
Cable: Speakon

### Rigging possibilities:



| TECHNICAL SPECIFICATIONS (single enclosure): |                                                                                                                       |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Type:                                        | Self-powered subwoofer                                                                                                |
| Application:                                 | LA-series sub extension                                                                                               |
| Frequency response:                          | 38 Hz to 80 Hz or 150 Hz (switchable)                                                                                 |
| Maximum output peak:                         | 127 dB (long term)                                                                                                    |
| Maximum output peak:                         | 133 dB                                                                                                                |
| Amplifiers:                                  | Class D                                                                                                               |
| Power output (RMS):                          | 1000 W / 4 Ohm                                                                                                        |
| Peak output current:                         | 50 A                                                                                                                  |
| THD+N:                                       | < 0.04 % at 1000 W, 100 Hz, 4 Ohm                                                                                     |
| Components:                                  | BMS neodymium ultra low distortion woofer 4 Ohm, 4" (101.6 mm) voice coil, 1000 W (AES)                               |
| Crossover:                                   | 30Hz high pass 18dB, 80Hz or 150Hz low-pass 24dB, EQ                                                                  |
| Input:                                       | balanced                                                                                                              |
| Connectors:                                  | 1x female XLR/TRS Jack; 1x male XLR loop; 1x male XLR top-24 dB high pass output @ 80 Hz or 125 Hz (Pin2+; 3-; 1 Gnd) |
| Impedance:                                   | 10 kOhm                                                                                                               |
| Input sensitivity:                           | 0.775 V (RMS)                                                                                                         |
| AC Connector:                                | 2x Neutrick™ PowerCon                                                                                                 |
| AC Power requirement:                        | 2000 W peak, 1000 W continuous (max)                                                                                  |
| LED Indicators:                              | Power on, Signal, 0- dB, LF limit, Overload                                                                           |
| Gain:                                        | -9 dB, +3 dB                                                                                                          |
| Controls:                                    | 2x High/Low Pass Filters                                                                                              |
| Suspension:                                  | included                                                                                                              |
| Enclosure material:                          | 18 mm Baltic birch plywood                                                                                            |
| Finish:                                      | Black textured paint                                                                                                  |
| Dimensions:                                  | 480 x 450 x 600 mm                                                                                                    |
| Net weight:                                  | 42 kg                                                                                                                 |

## LA8

- Compact size, low weight
- Dual 4" Neodymium Planar Wave Drivers (Patent Pending)
- Twin 8" neodymium ultra low distortion woofers
- The four drivers are physically time aligned
- Variable horizontal coverage of 120° or 60°
- Vertical Curving 0° - 12° variable in 1° steps
- High efficiency
- Integrated rigging system for flown or ground-stacked arrays
- System integration with LA8-SUB and Line-Core 8

The LA8 is a compact, two-way full range line array module, designed for a wide range of venues where high fidelity sound and outstanding intelligibility is required. The cabinet contains two 8" neodymium ultra low distortion cone speakers and two 4" HF neodymium planar wave drivers.

The modules are designed to be used in multiples with a minimal configuration of three. Up to 20 units can be arrayed to achieve extreme high levels needed for larger venues. The build in passive crossover allows multiple modules to be driven with a single amplifier channel (up to 6 enclosures at 3 Ohm). Bi-amplification is possible as well and is internally configurable. An optional LA8-SUB can be added for increased low frequency response. The system can be driven with external 19" amplifiers or using the Line-Core 8.

The integrated rigging system allows quick and easy flying or ground stacking. Arrays may be build straight or curved in various angular to obtain the desired vertical coverage. The Coda EASE Focus simulation software allows calculating the perfect curving setup for every application. When coupled with LA8-SUB the LA8 line array gives audio companies a flexible, plug and play system for a wide range of applications from the smallest venue to a concert-level sound.

### Accessoires:

- Frame: FR8
- U-Bracket: CULA8
- Cable: Speakon



## LA8-SUB

Same as the Line-core 8 but without the amplifier. Primarily designed for integration into an LA8 line array, the LA8-SUB is also suited to general use subwoofer.



### Applications:

Large Clubs  
Convention Centers  
Houses of Worship  
Sport venues, Stadiums  
Theatres, Musicals  
Club Touring  
Open Air, Festivals  
Corporate events

### System components:

LA8-SUB  
Line-Core 8  
PW418  
DC26  
C45

## DC26

Digital Controller - see page 41 for further information.



| TECHNICAL SPECIFICATIONS (single enclosure): |                                                                                           |
|----------------------------------------------|-------------------------------------------------------------------------------------------|
| Type:                                        | 2-way full range line array module                                                        |
| Application:                                 | Minimal 3, maximal 20 units line array                                                    |
| Frequency response:                          | 70 Hz - 20kHz (- 3dB )                                                                    |
| Power handling AES:                          |                                                                                           |
| Low:                                         | 500 W                                                                                     |
| High:                                        | 160 W                                                                                     |
| Sensitivity Low:                             | 99 dB                                                                                     |
| Max. SPL peak Low:                           | 132 dB                                                                                    |
| Sensitivity High:                            | 115 dB                                                                                    |
| Max. SPL peak High:                          | 146 dB                                                                                    |
| Dispersion Horizontal:                       | 120° or 60°                                                                               |
| Vertical:                                    | Array dependent, 0° - 12° in 1° steps                                                     |
| Components:                                  |                                                                                           |
| Low frequency:                               | 2 x 8" neodymium woofers, carbon-fibre diaphragm<br>2" (51mm) voice coil, 250W (AES) each |
| High frequency:                              | 2 x 4" neodymium planar wave drivers<br>1.75" (44.4mm) voice coil, 80W (AES) each         |
| Crossover point:                             | 1300 Hz Passive or bi-amp (internal connector)                                            |
| Input connectors:                            | 2 x Neutrick™ NL4MP                                                                       |
| Nominal impedance Passive:                   | 16 Ohm (+2/-2)                                                                            |
| 2-way bi-amp operation:                      | LF: 16 Ohm (+1/-1) / HF: 16 Ohm (+2/-2)                                                   |
| Enclosure shape:                             | Horizontal trapezoid 2x6°                                                                 |
| Enclosure material:                          | Baltic birch plywood                                                                      |
| Finish:                                      | Black textured paint                                                                      |
| Flying Hardware:                             | Included                                                                                  |
| Dimensions:                                  | 580 x 220 x 320mm (incl. Hardware)                                                        |
| Net weight:                                  | 18.3 kg                                                                                   |

| System Performance: |                     |                    |                     |
|---------------------|---------------------|--------------------|---------------------|
| Array               | Horizontal Coverage | Vertical Coverage  | Maximum Peak Output |
| 1 Enclosure         | 120° or 60°         | -                  | 132 dB              |
| 2 Enclosures        | 120° or 60°         | 0 - 12° adjustable | 138 dB              |
| 4 Enclosures        | 120° or 60°         | 0 - 48° adjustable | 144 dB              |
| 8 Enclosures        | 120° or 60°         | 0 - 96° adjustable | 152 dB              |

## Line-Core 8

- Active 18" subwoofer with amplifier outlets for up to four LA8 Line Array modules and two additional subwoofer slaves
- 2-channel class D amplifiers with switching power supply and total power of 3600W
- Advanced DSP design with FIR filter technologies
- Remote control as standard
- 18" neodymium ultra low distortion woofer
- Low power compression, superb quality sound
- Integrated rigging hardware for flown or ground-stacked arrays
- System integration with LA8 and LA8-SUB line arrays

The Line-Core 8 is active 18" system-subwoofer with amplifier outlets for up to four LA8 Line Array modules and one or two additional subwoofer slaves (LA8-SUB). Featuring 2-channel class D amplifiers with a total power of 3600W and advanced DSP design with FIR filter technologies, the Line-Core 8 provides compact plug & play line array system solution without the need of external 19" gear. For specific system configurations up to 10 presets can be stored in the DSP memory. The remote control software allows real time diagnostic, amplifier control, delay and EQ-settings for room compensations.

Complimenting the LA8 full range line array systems, the Line-Core 8 extends the system response down to 30Hz. The unique FIR-filter settings provide linear frequency and phase response for state-of-the-art audio performance.

The Line-Core 8 is equipped with an extremely high excursion 18" neodymium ultra low distortion woofer in a ported cabinet and provides the same rigging system as the LA8 and LA8-SUB for easy flying or ground stacking in various combinations.

Specially designed for integration into an LA8 line array, the Line-Core 8 gives audio companies a flexible, plug and play complete solution for a wide range of applications from the smallest venue to a concert-level sound.

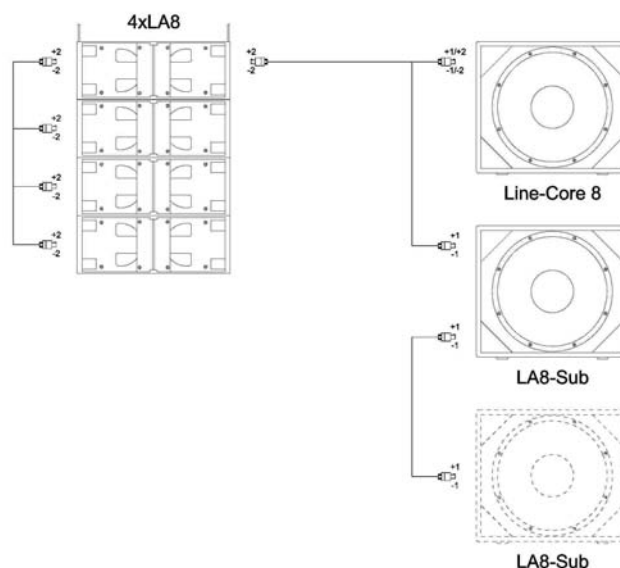
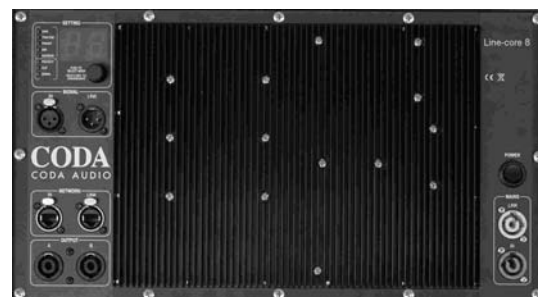
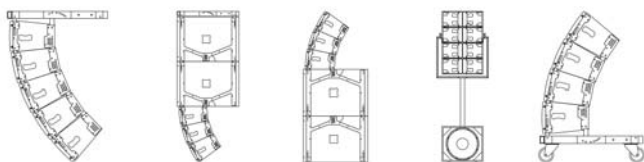
### Applications:

Arenas  
Convention Centres  
Houses of Worship  
Theatres  
Music Pavilions  
Auditoriums

### System components:

LA8-SUB  
LA8-SUB

### Rigging possibilities:



| TECHNICAL SPECIFICATIONS (single enclosure): |                                                                                          |
|----------------------------------------------|------------------------------------------------------------------------------------------|
| Type:                                        | Active dual-amp system subwoofer                                                         |
| Application:                                 | LA8 array integration                                                                    |
| Frequency response:                          | 30 Hz to 80-120Hz DSP configurable                                                       |
| Maximum output long term:                    | 128dB                                                                                    |
| Maximum output peak:                         | 134dB                                                                                    |
| Amplifier:                                   | Class D                                                                                  |
| Number of channels:                          | 2                                                                                        |
| Max. Power each channel (rms):               | 2400 W @4 Ohm<br>1200 W @8 Ohm                                                           |
| Total power both channels driven:            | 3600 W                                                                                   |
| Max peak power:                              | 7200W                                                                                    |
| Max output voltage:                          | 145Vp/290Vpp                                                                             |
| THD+N:                                       | < 0,05 % (20 Hz - 20 kHz, 8 _ load,<br>3 dB below rated power)                           |
| Damping Factor:                              | > 1000 (8 _ load, 1 kHz and below)                                                       |
| Components:                                  | 18" neodymium ultra low distortion woofer<br>8 Ohm, 4" (101.6mm) voice coil, 1200W (AES) |
| DSP sample rate:                             | 48 kHz                                                                                   |
| Converters:                                  | 24 Bit with Delta/Sigma converters                                                       |
| Processing:                                  | High precision FIR filters                                                               |
| Analogue Input:                              | XLR female (Mono input),<br>XLR male for output link                                     |
| Max. Input level:                            | +22dBu                                                                                   |
| Network:                                     | 2xNeutrik EtherCon                                                                       |
| AC Connector:                                | 2x Neutrick™ PowerCon                                                                    |
| Operation Voltage:                           | Universal Mains, 85-230V (dual voltage)                                                  |
| Power Output                                 | 2x4-pole SPEAKON connector,<br>channel A = pin ±1, channel B = pin ±2                    |
| LED Indicators:                              | LED's for ON, SIGNAL, CLIP, PROTECT                                                      |
| Gain:                                        | 21 - 39 dB, 1dB steps                                                                    |
| Controls:                                    | Gain, Preset, Trim Sub                                                                   |
| Suspension:                                  | included                                                                                 |
| Enclosure material:                          | 18mm Baltic birch                                                                        |
| Finish:                                      | Textured Black paint                                                                     |
| Dimensions:                                  | 580 x 500 x 700 mm                                                                       |
| Net weight:                                  | 42kg                                                                                     |

## LA2228/LA2228-SUB

- 2 x BMS 4" Neodymium Planar Wave Driver (Patent Pending)
- Wide horizontal coverage of 120°
- Vertical curving 0° to 10° in 1°-steps
- High efficiency
- Full-range capability
- Compact size, low weight
- integrated rigging system

The LA 2228 is a compact Line Array system, designed for medium size venues where high fidelity sound and outstanding intelligibility is required. The system contains two 8" high power woofers and two BMS 4510ND, 4" neodymium planar wave drivers. The systems are designed to be used in multiples with a minimal configuration of four.

Up to 16 units can be used to achieve extreme high levels needed for larger venues. The integrated rigging system allows quick and easy flying or ground stacking. Arrays may be build straight or curved in various angular to obtain the desired vertical coverage.

### System components LA2228:

LA2228-SUB, PW418, DC26

| TECHNICAL SPECIFICATIONS (single enclosure): |                                         |
|----------------------------------------------|-----------------------------------------|
| Type:                                        | 2-way full range, bi-amp                |
| Application:                                 | Line Array                              |
| Frequency response:                          | 60 Hz - 20 kHz (-3 dB)                  |
| Power handling AES:                          |                                         |
| Low:                                         | 400 W                                   |
| High:                                        | 160 W                                   |
| Sensitivity Low:                             | 96 dB                                   |
| Max. SPL peak Low:                           | 128 dB                                  |
| Sensitivity High:                            | 114 dB                                  |
| Max. SPL peak High:                          | 143 dB                                  |
| Dispersion:                                  | 120° x 10°                              |
| Components:                                  |                                         |
| Low frequency:                               | 2x Custom 8" / 2" VC                    |
| High frequency:                              | 2x BMS 4" Planar Wave Drivers           |
| Crossover point:                             | 1000 Hz-Active                          |
| 2-way bi-amp operation:                      | Low 8 Ohm, high 8 Ohm                   |
| Input connectors:                            | 2x Neutrick™ NL4MP                      |
| Enclosure shape:                             | Horizontal trapezoid 5°                 |
| Enclosure material:                          | 15 mm Baltic birch plywood              |
| Finish:                                      | Black textured paint                    |
| Flying Hardware:                             | included                                |
| Dimensions:                                  | 680 (720 incl. Hardware) x 263 x 450 mm |
| Net weight:                                  | 28 kg                                   |

| System Performance: |                            |                              |                  |                 |
|---------------------|----------------------------|------------------------------|------------------|-----------------|
| Array               | Frequency Response (-3 dB) | Max. Coverage (-6 dB points) | Maximum Peak Low | Output Mid/High |
| 1 Enclosure         | 60 - 20000 Hz              | 120° x 10°                   | 128 dB           | 143 dB          |
| 4 Enclosures        | 52 - 20000 Hz              | 120° x 40°                   | 140 dB           | 143 dB          |
| 8 Enclosures        | 50 - 20000 Hz              | 120° x 60°                   | 146 dB           | 143 dB          |

## DC26

Digital Controller - see page 41 for further information.



### Accessoires:

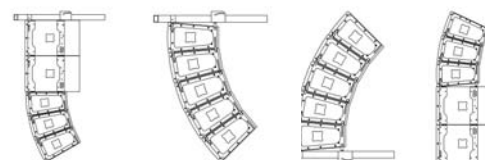
Frame: FR28

Cable: Speakon

### Applications:

Arenas  
Convention Centers  
Large Ballrooms  
Theatres  
Music Pavilions  
Auditoriums

### Rigging possibilities:



## LA2228-SUB

| TECHNICAL SPECIFICATIONS (single enclosure): |                                              |
|----------------------------------------------|----------------------------------------------|
| Type:                                        | Compact Subwoofer                            |
| Application:                                 | LA2228 sub extension                         |
| Frequency response:                          | 30 Hz - 150 Hz                               |
| Power Handling RMS:                          | 1200 W                                       |
| Program Power:                               | 2400 W                                       |
| Peak Power:                                  | 4800 W                                       |
| Sensitivity:                                 | 97 dB, 1W/1m                                 |
| Maximum SPL:                                 | 127 dB continuous, 133 dB peak               |
| Components:                                  | 2x 12" neodymium ultra low distortion woofer |
|                                              | 4 Ohm, 3" (77 mm) voice coil, 600 W (AES)    |
| Crossover point:                             | 150 Hz                                       |
| Nominal impedance:                           | 8 Ohm                                        |
| Input connectors:                            | 2x Neutrick™ NL4MP                           |
| Suspension:                                  | included                                     |
| Enclosure material:                          | 18 mm Baltic birch                           |
| Finish:                                      | Black textured paint                         |
| Dimensions:                                  | 690 x 390 x 600 mm                           |
| Net weight:                                  | 42 kg                                        |

## LA2225

- 2x BMS 4592, 2" neodymium driver
- Wide horizontal coverage of 90°
- Vertical curving 0° to 6° in 1°-steps
- High efficiency
- Full-range capability
- Compact size
- integrated rigging system
- High quality cost effective system

The LA2225N is a high level 3-way Line Array system, designed primary for permanent installations in large venues where high fidelity sound and outstanding intelligibility is required. The design concept behind the LA2225N was to develop a cost effective loudspeaker without compromising the sound performance.

The system contains two 15" high excursion woofer and two BMS 4592, 2" neodymium coaxial drivers. The LA2225N is designed to be used in multiples with a minimal configuration of four. Up to 12 units can be used to achieve extreme high levels needed for larger venues.

The integrated rigging system allows quick and easy flying or ground stacking optimised for touring applications. Arrays may be build straight or curved in various angular to obtain the desired vertical coverage.

### Applications:

Arenas  
Convention Centers  
Large Ballrooms  
Stadiums  
Theatres  
Music Pavilions  
Auditoriums  
Open Air

### System components:

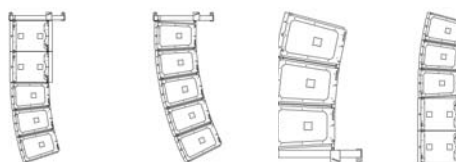
PW418L  
DC26



### Accessoires:

Frame: FR28  
Cable: Speakon

### Rigging possibilities:



| TECHNICAL SPECIFICATIONS (single enclosure): |                                          |
|----------------------------------------------|------------------------------------------|
| Type:                                        | 3-way full range, bi-amp                 |
| Application:                                 | Line Array                               |
| Frequency response:                          | 48 Hz - 21 kHz (-3 dB)                   |
| <b>Power handling AES:</b>                   |                                          |
| Low:                                         | 1000 W                                   |
| High:                                        | 400 W                                    |
| Sensitivity Low:                             | 101 dB                                   |
| Max. SPL peak Low:                           | 137 dB                                   |
| Sensitivity High:                            | 117 dB                                   |
| Max. SPL peak High:                          | 148 dB                                   |
| Dispersion:                                  | 90° x 12°                                |
| <b>Components:</b>                           |                                          |
| Low frequency:                               | 2x BMS 15" neodymium woofer              |
| High frequency:                              | 2x BMS 4592, 2" neodymium coaxial driver |
| Crossover point:                             | 600 Hz-Active, 6.3 kHz-Passive           |
| <b>Nominal impedance:</b>                    |                                          |
| 2-way bi-amp operation:                      | Low 4 Ohm, high 8 Ohm                    |
| Input connectors:                            | 2x Neutrick™ NL4MP                       |
| Enclosure shape:                             | Horizontal trapezoid 3°                  |
| Enclosure material:                          | 18 mm Baltic birch plywood               |
| Finish:                                      | Black textured paint                     |
| Flying Hardware:                             | Optional (Application depending)         |
| Dimensions:                                  | 1186 x 490 x 670 mm                      |
| Net weight:                                  | 78 kg                                    |

## DC26

Digital Controller - see page 41 for further information.



| System Performance: |                            |                              |                  |                 |
|---------------------|----------------------------|------------------------------|------------------|-----------------|
| Array               | Frequency Response (-3 dB) | Max. Coverage (-6 dB points) | Maximum Peak Low | Output Mid/High |
| 1 Enclosure         | 48 - 21000 Hz              | 90° x 12°                    | 137 dB           | 148 dB          |
| 4 Enclosures        | 41 - 21000 Hz              | 90° x 30°                    | 149 dB           | 148 dB          |
| 8 Enclosures        | 40 - 21000 Hz              | 90° x 62°                    | 155 dB           | 148 dB          |

## Coda EASE Focus Software

The CODA-EASE Focus Aiming Software is software that allows the modelling of acoustic sources, in particular line arrays, in two dimensions. It only considers the direct field, created by the complex addition of the sound contributions of the individual loudspeakers or array components.

Great efforts have been made to create an intuitive and consistent interface.

The purpose of EASE Focus is to provide both, the end user, who needs to set up the array for a show, as well as the system developer, with a tool that allows the easy and quick prediction of the array performance in a given venue.

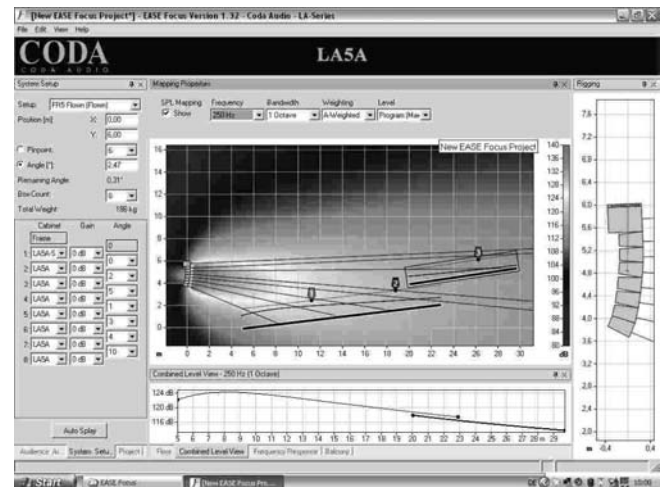
The software estimates the array Position, Pinpoint, Angle, Max SPL, the total weight of the system the influence of Temperature, Air Pressure and Humidity considered according to ISO 9613 and many more.

The Auto Splay function allows to automatically aim the cabinets of the system at the existing audience areas.

The applicability of EASE Focus is quite extensive compared to conventional 2D aiming software tools.

The scientific base of CODA-EASE Focus stems from EASE, the professional electro- and room acoustic simulation software developed by ADA, Acoustic Design Ahnert, Berlin, Germany. CODA-EASE Focus itself is software created by SDA, Software Design Ahnert GmbH, Berlin, Germany, the sister company of ADA.

The CODA-EASE Focus Aiming Software supports all Coda Audio line array systems and is available to all users free of charge.



## AC24 Analogue Signal Processor

- 2-inputs, 4-outputs
- Full range mode
- Monitor mode
- Subwoofer/Sattelite mode
- 24 dB/octave Linkwitz--Riley crossovers
- Subsonic filters
- High frequency EQ
- Optical limiters
- 3 position for amp sensitivity: 0dB, +3dB, +6dB
- Maximum dynamic range

The AC24 stereo controller contains two inputs and four outputs providing crossover, equalization and limiter functions to optimise the frequency response of all Coda passive cabinets either in full range, stage monitoring or in combination with subwoofers. Utilizing different modules the AP24 is precisely matched to the Coda Audio D-series, K-series and Rx-series cabinets.



| TECHNICAL SPECIFICATIONS: |                                                               |
|---------------------------|---------------------------------------------------------------|
| Inputs                    | Electronically balanced 11 kOhm input (pin 2 hot)             |
| Outputs                   | Electronically balanced 60 kOhm input (pin 2 hot)             |
| Input Headroom            | + 22 dB                                                       |
| S/N Ratio low outputs     | ≥ 86 dB                                                       |
| S/N Ratio high outputs    | ≥ 94 dB                                                       |
| Dynamic Range             | ≥ 108 dB                                                      |
| THD                       | ≤ 0.01% (20 Hz to 20 kHz at 0 dB)                             |
| <b>Front + Rear Side:</b> |                                                               |
| Input Level Indicators    | - 20 dB green<br>0 dB yellow<br>+ 6 dB red (for each channel) |
| Limiter Indicators        | Red for each output                                           |
| Volume                    | 0 to 10 for both channels                                     |
| Sub level                 | -/+ 6 dB for both channels                                    |
| High EQ                   | - 3 dB<br>0 dB<br>+ 3 dB                                      |
| mode                      | Monitor / Full / Top-Sub                                      |
| Limiters Threshold        | 0 dB<br>+ 3 dB<br>+ 6 dB                                      |
| Lift-GND                  | Switch on rear panel                                          |
| Power                     | 230 or 115 VAC, 50 - 60 Hz, 20 V A                            |
| <b>Physical:</b>          |                                                               |
| Finish                    | Black with light grey text                                    |
| Dimensions H x W x D      | 1 U, 44.4 x 483 x 210 mm, 1.75" x 19" x 8.3"                  |
| Net weight                | 2.8 kg                                                        |
| Shipping weight           | 3.3 kg                                                        |
| Shipping dimensions:      | 95 x 510 x 275 mm, 3.75" x 20" x 10.8"                        |

| Controller | Cabinet                          |
|------------|----------------------------------|
| AC24-UC    | D5, K4, K5                       |
| AC24-S     | D8, K189/K189-Pro, K289/K289-Pro |
| AC24-M     | D12, K12v2, Rx32M, Rx40          |
| AC24-L     | K15v2, Rx35, Rx36M               |

## DC26 Digital Controller

- Band limiting to protect drivers during overload conditions
- Perfect time and phase alignment
- Optimised crossover frequencies and slope
- Reconfigurable for future additions to the Coda range



| TECHNICAL SPECIFICATIONS:        |                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------|
| Inputs                           | Two electronically balanced                                                               |
| Impedance                        | >10 k ohms                                                                                |
| CMRR                             | >65 dB 50 Hz - 10 kHz                                                                     |
| Outputs                          | Six electronically balanced                                                               |
| Source Imp.                      | < 60 ohms                                                                                 |
| Min. Load                        | 600 ohm                                                                                   |
| Max. Level                       | +20 dBm into 600 ohm load                                                                 |
| Frequency Response               | 0.5 dB 20 Hz - 20 kHz                                                                     |
| Dynamic Range                    | >110 dB 20 Hz - 20 kHz unwttd.                                                            |
| Distortion                       | < 0.02 % @ 1 kHz, + 18 dBm                                                                |
| Maximum Delay                    | 650 ms (increment 2.6 s Steps)                                                            |
| Output gain                      | Adjustable +15 dB to -40 dB<br>in 0.1 dB steps and mute                                   |
| <b>Parametric Equalisation:</b>  |                                                                                           |
| Filters                          | 5 per output                                                                              |
| Filter gain                      | +15 dB to - 30 dB in 0.1 dB steps                                                         |
| Centre frequency                 | 20 Hz - 20 kHz,<br>1 / 36 octave steps (368 positions)                                    |
| Filter Q/BW                      | 0.4 to 128 / 2.5 to 0.008                                                                 |
| <b>High and Lowpass filters:</b> |                                                                                           |
| Filters                          | 1 of each per output                                                                      |
| Frequency (HPF)                  | 10 Hz - 16 kHz, 1 / 36 octave                                                             |
| Frequency (LPF)                  | 60 Hz - 22 kHz, 1 / 36 octave                                                             |
| Response                         | Bessel / Butterworth 12 dB,<br>18 dB, 24 dB per octave<br>Linkwitz-Riley 24 dB per octave |
| <b>Limiters:</b>                 |                                                                                           |
| Threshold                        | +22 dBu to -10 dBu                                                                        |
| Attack time                      | 0.3 to 90 milliseconds                                                                    |
| Release time                     | 4,8,16 or 32 times the attack time                                                        |
| Connectors                       | Inputs 3 pin female XLR,<br>Outputs 3 pin male XLR, RS232 (9 Pin)                         |
| Weight                           | 3.5 kg Net (4.8 kg shipping)                                                              |
| Size                             | 44 x 482 x 300 mm, 1.75" (1U)<br>1.73" x 19" x 11.8", excluding connectors                |

## C25 / C45 / C475

Lightweight switchmode amplifiers designed to very high standards of reliability and sound quality. Intended for touring and fixed installations in a 2U chassis the range consists of three amplifiers, the C25 delivers 2x1250W at 4 Ohm, C45 2x2250W at 4 Ohm and the C475 4x800W.

- Digital power supply with large power reservoir giving extremely high peak power without any bass 'sag'.
- Proprietary designed progressive switching rail output.
- Full high frequency power - the C Series amplifiers will deliver their power over the entire audio bandwidth.
- Lightweight aluminium construction.
- All new low distortion limiters with adjustable threshold points for extra speaker protection.
- Sophisticated power control system linked to both the limiter and the power supply, keeping the amplifier within its operating limits at all times.
- Power Reduction Circuit (PRC) controls on rear panel, linked to the limiter threshold which allow each channel to be independently set so that different loudspeakers can be connected to each channel with safety.
- Soft start 'power on' with full in-rush protection.
- Full DC, short circuit and thermal protection, which automatically disconnects the outputs under a fault condition.
- Weighs around 11kg.
- 5-year warranty.



|                                   |                | C-25                                      | C-45                                       | C-475                                |
|-----------------------------------|----------------|-------------------------------------------|--------------------------------------------|--------------------------------------|
| Output power (Watt RMS)           | 8 ohm at 1 kHz | 650                                       | 1200                                       | 750                                  |
|                                   | 4 ohm at 1 kHz | 1250                                      | 2250                                       | 825                                  |
|                                   | 2 ohm at 1 kHz | 2200                                      | 3200                                       | -                                    |
|                                   | 8 ohm at 1 kHz | 2500                                      | 4400                                       | -                                    |
| Mono Bridged                      | 4 ohm at 1 kHz | 4400                                      | 6400                                       | -                                    |
|                                   |                |                                           |                                            |                                      |
| Power reduction control           |                | - 2 dB / - 4 dB / - 6 dB                  | - 2 dB / - 4 dB / - 6 dB                   | - 3 dB at 8 ohm                      |
| THD at related power 4 ohm        | 1 kHz          | < 0.008 %                                 | < 0.008 %                                  | < 0.006 %                            |
|                                   | 20 Hz - 20 kHz | < 0.03 %                                  | < 0.03 %                                   | < 0.03 %                             |
| Input CMRR                        |                | > 90 dB                                   | > 90 dB                                    | > 90 dB                              |
| Hum + Noise                       |                | - 105 dB                                  | - 105 dB                                   | - 105 dB                             |
| Gain (Selectable)                 |                | + 32 dB / + 26 dB / + 33 dB               | + 32 dB / + 26 dB / + 35.75 dB             | + 32 dB / + 26 dB / + 31 dB          |
| Sensitivity for related output    | 4 ohm          | + 7 dBu / + 13 dBu / + 6 dBu (1.5 V)      | + 9.75 dBu / + 15.75 dBu / + 6 dBu (1.5 V) | + 7 dBu / + 13 dBu / + 6 dBu (1.5 V) |
| Damping Factor response           | 1kHz, 8 ohm    | > 400                                     | > 400                                      | > 400                                |
| Frequency response                |                | 20 Hz - 20 kHz - + 0 / 0.5 dB             | 20 Hz - 20 kHz - + 0 / 0.5 dB              | 20 Hz - 20 kHz - + 0 dBu / 0.5 dB    |
| Input impedance (active balanced) |                | 20 k ohm                                  | 20 k ohm                                   | 20 k ohm                             |
| Dimensions (mm)                   | 2U             | 88 x 482 x 428                            | 88 x 482 x 428                             | 88 x 482 x 428                       |
| Weight                            |                | 10.25 kg                                  | 11 kg                                      | 10.25 kg                             |
| Power requirement                 |                | 230 VAC at 15 amps max                    | 230 VAC at 20 amps max                     | 230 VAC at 15 amps max               |
|                                   |                | 115 VAC at 30 amps max                    | 115 VAC at 40 amps max                     | 115 VAC at 30 amps max               |
| Connectors                        | Inputs         | XLR 3 pin                                 | XLR 3 pin                                  | 4 x XLR 3 pin                        |
|                                   | Outputs        | 4 pole SPEAKON                            | 4 pole SPEAKON                             | 4 x 4 pole SPEAKON                   |
| Controls Front panel              |                | 2 x level controls                        | 2 x level controls                         | 4 x level controls                   |
|                                   |                | 1 x power on / off switch                 | 1 x power on / off switch                  | 1 x power on / off switch            |
| Controls Rear panel               |                | 1 x Stereo / bridged mono switch          | 1 x Stereo / bridged mono switch           | 2 x PRC switch                       |
|                                   |                | 4 x PRC switches (2 per channel)          | 4 x PRC switches (2 per channel)           | 3 x link switch                      |
| Indicators                        |                | 1 x power, 2 x limit, 2 x signal present, | 1 x power, 2 x limit, 2 x signal present,  | 1 x power,                           |
|                                   |                | 2 x - 3 dB, 2 x PRC, 1 x auto protect,    | 2 x - 3 dB, 2 x PRC, 1 x auto protect,     | 4 x five segment LED metering        |
|                                   |                | 1 x bridged                               | 1 x bridged                                | 2 x load indicator, 1 x auto protect |

PRC = power reduction control



**CODA AUDIO**

Boulevard der EU 6

30539 Hannover · Expo Park

**Germany**

phone: +49 (0) 511 - 879 38 98

fax: +49 (0) 511 - 879 39 01

e-mail: [info@bmselektronik.de](mailto:info@bmselektronik.de)

internet: [www.codaaudio.com](http://www.codaaudio.com)